

John Zerwas
Chairman



Oscar Longoria
Vice-Chair

**TEXAS HOUSE OF REPRESENTATIVES
COMMITTEE ON APPROPRIATIONS**

AGENDA

**SUBCOMMITTEE ON ARTICLE III
CHAIRMAN BONNEN**

TUESDAY, FEBRUARY 19, 2019
7:30 A.M.
ROOM E1.030

I. CALL TO ORDER

II. CHAIRMAN'S OPENING REMARKS

III. UNIVERSITY OF NORTH TEXAS SYSTEM - Lesa Roe, Chancellor

- University of North Texas - Dr. Neal Smatresk, President
- University of North Texas at Dallas - Bob Mong, President

IV. HEALTH RELATED INSTITUTIONS

- Health Related Institutions Summary - Trevor Simmons, Analyst, Legislative Budget Board
- Texas A&M University System Health Science Center - Dr. Carrie L. Byington, Senior Vice President, Vice Chancellor for Health Services
- Texas Tech University Health Sciences Center - Dr. Tedd L. Mitchell, President
- Texas Tech University Health Sciences Center at El Paso - Dr. Richard Lange, President
- The University of Texas Southwestern Medical Center - Dr. Daniel K. Podolsky, President
- The University of Texas Medical Branch at Galveston - Dr. David L. Callender, President
- The University of Texas Health Science Center at Houston - Dr. Giuseppe Colasurdo, President
- The University of Texas Health Science Center at San Antonio - Dr. Robert Hromas, Dean and Professor of Medicine, Vice President for Medical Affairs
- The University of Texas Rio Grande Valley School of Medicine - Dr. Guy Bailey, President
- The University of Texas M.D. Anderson Cancer Center - Dr. Peter W.T. Pisters, President
- The University of Texas Health Science Center at Tyler - Dr. Kirk Calhoun, President
- University of North Texas Health Science Center - Dr. Michael Williams, President
- Baylor College of Medicine - Dr. Paul Klotman, President

V. JUNIOR COLLEGES / COMMUNITY COLLEGES

- Junior Colleges/Community Colleges Summary, Andrew Overmyer - Analyst, Legislative Budget Board
- Texas Association of Community Colleges
 - Jacob Fraire, President & CEO
 - Dr. Brenda Hellyer, Chancellor, San Jacinto College

VI. SPECIAL PROVISIONS RELATING ONLY TO STATE AGENCIES OF HIGHER EDUCATION AND SPECIAL PROVISIONS RELATING ONLY TO COMPONENTS OF TEXAS STATE TECHNICAL COLLEGE

- Demetrio Hernandez, Higher Education Team Manager - Legislative Budget Board

VII. PUBLIC TESTIMONY AND ADJOURNMENT

The seal of the University of North Texas System is a large, faint watermark in the background. It is a circular emblem with a laurel wreath border. Inside the wreath, the words "UNIVERSITY OF NORTH TEXAS" are written in an arc at the top, and "SYSTEM" is at the bottom. The center of the seal features a five-pointed star with radiating lines, and below the star is a classical building with columns.

University of North Texas System

Presentation to the House Appropriations Article III Subcommittee

Legislative Appropriations Request
Fiscal Years 2020-2021

February 19, 2019

The University of North Texas System

University of North Texas (Denton)

- The nation's 30th largest public university, with record enrollment exceeding 38,000 students
- Among the state's Top 5 universities at graduating students, awarding 9,300 degrees in FY 2018

University of North Texas at Dallas

- Established in 2010, UNT Dallas is 85% minority and is the first and only four-year public university in the City of Dallas
- UNT Dallas saw record enrollment of 3,757 in fall 2018 and graduated 808 students in FY 2018

University of North Texas Health Science Center

- Committed to developing collaborative, practice-ready health professionals by emphasizing team-oriented, evidence-based best practices, quality-improvement approaches and informatics
- UNTHSC enrolls 2,200+ students and leads Texas in graduating primary care doctors

Student Success

- Combined enrollment has grown more than 25 percent to 44,000+ students in the past decade
- Degrees awarded annually, system-wide, has increased 45% in the last decade – from 6,930 in FY 2008 to 10,360 in FY 2018
- UNT System institutions have experienced significant continued growth and are contributing toward achieving 60x30TX goals

UNT System Administration

UNT System Administration provides governance and service to UNT System component institutions and oversees centralized services for its campuses in information technology, human resources and many business areas in order to increase efficiency.

- The UNT System boosts the Texas economy by roughly \$5.2 billion each year
- Approximately 10,000 faculty, staff, and students are employed by the UNT System and its component institutions
- Since its implementation in fiscal year 2012, UNT System's central services team has saved more than \$10 million through shared efficiencies and more than 150 process improvements
 - Since October 2017, more than \$3 million has been saved by UNT System administration through a reduction in force and a system-wide functional review that led to dozens of process improvements
- UNT System has partnered with Toyota to train managers in the Toyota Production System – a “lean” process management philosophy that has been lauded, worldwide, for efficiency

Key Investments

The UNT System appreciates the legislature's continued support and attention to higher education funding, even while facing other pressing needs across the state.

- The key investment by the 85th Legislature to biennialize funding for TRB Debt Service and HEF supported much-needed projects across our system
- Three new buildings and one major renovation will be completed in the coming months, thanks to the support and foresight of the Texas Legislature
- An increase of more than \$71M in TEXAS Grants funding in the current biennium allows UNT and UNT Dallas to support more than 4,600 students
- Thank you for including previous hold harmless funding inside of operational funding strategies in HB 1
- The UNT System is appreciative of the House's strong support for Graduate Medical Education included in HB 1

UNT System Legislative Priorities

- Formula funding support to fund student enrollment growth and inflation that ensures our base operations have stable, predictable revenues
- Continuation of important non-formula funding support and consideration of innovative exceptional item requests
- Support for critical STEM-related infrastructure needs at each UNT System campus to meet the growing industry and student demands
- Support for critical student financial aid programs like TEXAS Grants



University of North Texas Presentation to the House Appropriations Article III Subcommittee

**Legislative Appropriations Request
Fiscal Years 2020-2021**

February 19, 2019

University of North Texas Profile



Established in 1890, UNT is one of the nation's largest public research universities with nearly 38,000 students. One of only 130 universities ranked a Tier One research university by the Carnegie Classification, UNT is a catalyst for creativity, progress, innovation and entrepreneurship for the North Texas region and the state. As the university has grown, so has its reach and impact. UNT graduates more than 9,000 students annually and offers more than 230 degree programs, many nationally and internationally recognized.

University of North Texas

- UNT System's flagship institution
- Fall 2018 student enrollment was 38,154
- UNT has 72 academic programs ranked among the nation's Top 100

Success

- UNT ranks 5th for total degrees awarded each year by the state's public universities and 5th for the number of bachelor's degrees awarded
- UNT graduated 9,467 students in 2017-18, up 3.3 percent from FY17 and up 96.9% since FY 2000
- Improved four-year graduation rate from 13.4% in FY 2000 to 36.7% in FY 2017
- Improved six-year graduation rate from 46.6% in FY 2000 to 59.3% in FY 2017

Enrollment Growth

- UNT saw modest overall enrollment growth in Fall 2018 but had marked growth in key areas such National Merit Finalists, including 32 new National Merit finalists this past fall for a total of 74 National Merit finalists on campus

Diversity

- Minority students became the majority of the undergraduate student body at UNT in Fall 2018 to better reflect the diverse population of Texas
- One of the most diverse campuses in the nation with 9,257 Hispanic students (up 5.5% from last year) and 5,444 African American students

Economic Impact

- UNT generates an economic impact of \$1.65 billion in the DFW economy annually
- UNT's global alumni network includes more than 253,000 degree-holding alumni



Legislative Priorities

Formula Funding

- Support student enrollment growth and inflation

Center for Agile and Adaptive Additive Manufacturing (CAAAM)

- FY 2020: \$10,000,000 and FY 2021: \$10,000,000

North Texas Autism Collaboration

- FY 2020: \$3,000,000 and FY 2021: \$3,000,000

Tuition Revenue Bond for Science and Technology Research Building

- \$126M on TRB authorization with \$10.8M annual debt service

Texas Research Incentive Program (TRIP)

- Continued support for Texas' Emerging Research Universities

Legislative Priorities



Formula Funding

Formula Funding to support student enrollment growth and inflation

100% Formula Funding is critical for UNT to continue providing a high-quality, affordable education to its growing student population. The formula is the most effective way of ensuring the state's support goes directly to students.

Sustained general revenue is needed to:

- Enhance and expand academic programs and student support services
- Increase need- and merit-based scholarships and aid
- Attract and retain high-quality faculty and staff

Legislative Priorities



Center for Agile and Adaptive Additive Manufacturing (CAAAM)

FY 2020: \$10,000,000 and FY 2021: \$10,000,000

Additive manufacturing is a rapidly developing technology that builds complex and accurate 3-D objects through the successive layering of materials. Current additive manufacturing technology is limited in its applications and functionality, and Texas lags behind other states in this critical new technology. CAAAM will help Texas meet complex manufacturing needs and will lead to the development of environmentally friendly technologies and smart materials that produce cost-savings and create a competitive advantage for our state

- Leverage UNT's existing expertise and resources to create a Texas-based prototype center that can globally transform the future of manufacturing and educate a high-tech workforce
- UNT is a nationally acknowledged leader in this field and already is working with the U.S. Army and Air Force national laboratories, among others, in this vital area
- UNT's Additive Manufacturing Laboratory fosters interdisciplinary research and is a comprehensive facility, bringing together both types of additive manufacturing. It is the first of its kind in the nation due to its unique configuration of equipment

Legislative Priorities



North Texas Autism Collaboration

FY 2020: \$3,000,000 and FY 2021: \$3,000,000

Leverage UNT's existing resources to develop a transformational educational opportunity that bridges K-12, community colleges and four-year universities by providing support to students with ASD, ASD research, program evaluation and clinical research. This program will bring advanced treatment solutions to the North Texas region

UNT would draw upon two of its established – and successful – initiatives:

- UNT ENGAGE (Embracing Neurodiverse Groups in Academics and Gainful Employment) supports postsecondary students' academic, social and mental wellbeing through collaborative and individualized services to foster an inclusive campus for all
- The Kristin Farmer Autism Center provides comprehensive and focused individualized intervention services for school aged children with ASD through applied behavior analysis and behavioral therapy

Legislative Priorities



Tuition Revenue Bond for Science and Technology Research Building \$126M on TRB authorization with \$10.8M annual debt service

- Construction of the approximately 167,700-square-foot building will provide state-of-the-art space for faculty to carry out solutions-based research
- UNT's research growth hinges on the ability to provide the appropriate space necessary to accommodate the cutting-edge research taking place
- Many of the UNT buildings dedicated to science and technology are older, at capacity and would require significant renovations to bring them up to date

Legislative Priorities



Texas Research Incentive Program (TRIP)

Continued support for Texas' Emerging Research Universities

- TRIP funding encourages donors to get more involved in supporting public university research Texas
- TRIP eligible gifts to UNT are at an all-time high
- UNT has received more than \$10 million since the program's start, and currently has more than \$12 million in approved matches awaiting funding

University of North Texas at Dallas
Presentation to the House Appropriations Article III Subcommittee

Legislative Appropriations Request
Fiscal Years 2020-2021

February 12, 2019

ABOUT UNT DALLAS

UNT Dallas was created to serve an under-resourced community and we are making tremendous progress on fulfilling this purpose

- We are the anchor higher education institution in southern Dallas, serving a high-need population and promoting much-needed economic development
- UNT Dallas provides a pathway to social and economic mobility for our Dallas-area students
- We embody the state's 60x30 initiative, and stand for closing income gaps in Southern Dallas through educational attainment
- Our student body is made up of 70% first-generation college students and 85% minority students

OUR PROGRESS

Since the last legislative session, we have become the fastest-growing university in Texas

- Student enrollment has increased 51% in the last four years
- Degrees awarded have increased by 35% in the last year
- One recent study identified us as having the lowest student debt in nation
- Through our focus on student success measures, we have increased student retention rates
- We are focused on producing graduates to address the region's workforce needs
 - 18% enrollment increase in the School of Education, with a focus on bilingual and early-childhood education
 - 90% enrollment increase in the School of Business in the last 4 years
 - School of Arts & Sciences is rapidly growing to offer more STEM degrees

KEY INVESTMENTS

UNT Dallas appreciates the legislature's continued support and attention to higher education funding

- Support over the past several legislative sessions for Tuition Revenue Bonds and HEF have supported much-needed projects to accommodate our rapid growth trajectory
- The Student Center at UNT Dallas will serve as a one-stop student success hub for advising, tutoring, and financial aid services.
- The historic renovation of Old City Hall to serve as home to the UNT Dallas College of Law will be completed in Spring 2019, and is the culmination of a long-standing partnership between the UNT System, the City of Dallas, and the State

LEGISLATIVE PRIORITIES

- Formula funding to address our rapid student enrollment growth and infrastructure needs is essential, and supports institutional operations, faculty salaries, and student success measures
- Non-formula funding support is critical to the progress of both UNT Dallas and the UNT Dallas College of Law, and is essential to our growth and viability in the coming years
- Tuition Revenue Bond support for a STEM building
- Exceptional Item Requests to promote student success
 - Academic Bridge programs to accelerate preparation for college success
 - Pathway to Success programs to increase frictionless transferability
 - Increased service and research into issues impacting southern Dallas
 - Emerging Teacher Institute to reduce teacher turnover
 - Programs to student behavioral health issues

Health Related Institutions Summary of Recommendations - House

Section 1

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Trevor Simmons, LBB Analyst

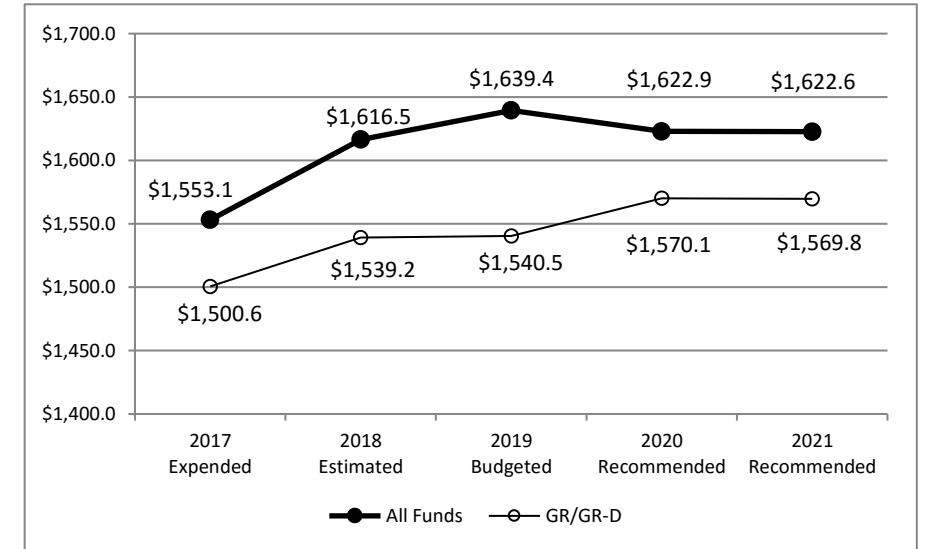
Method of Financing	2018-19 Base	2020-21 Recommended	Biennial Change (\$)	Biennial Change (%)
General Revenue Funds	\$2,854,980,910	\$2,925,699,527	\$70,718,617	2.5%
GR Dedicated Funds	\$224,705,699	\$214,130,004	(\$10,575,695)	(4.7%)
<i>Total GR-Related Funds</i>	<i>\$3,079,686,609</i>	<i>\$3,139,829,531</i>	<i>\$60,142,922</i>	<i>2.0%</i>
Federal Funds	\$0	\$0	\$0	0.0%
Other	\$176,185,610	\$105,663,252	(\$70,522,358)	(40.0%)
All Funds	\$3,255,872,219	\$3,245,492,783	(\$10,379,436)	(0.3%)

	FY 2019 Budgeted	FY 2021 Recommended	Biennial Change	Percent Change
FTEs	13,186.9	13,399.6	212.7	1.6%

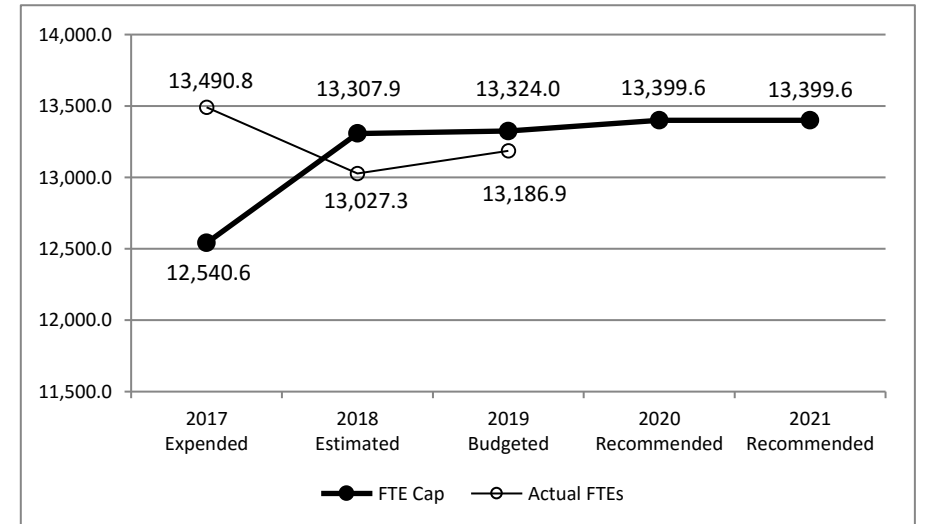
Agency Budget and Policy Issues and/or Highlights

The Health Related Institutions (HRIs) Summary of Recommendations packet includes budget and policy recommendations for the twelve Health Related Institutions that received formula funding in the 2018-19 biennium, including The University of Texas (UT) at Austin Dell Medical School and The University of Texas Rio Grande Valley (UTRGV) School of Medicine. Recommendations also include budget and policy recommendations for Baylor College of Medicine, which are reflected in the Texas Higher Education Coordinating Board bill pattern. Funding recommendations for Baylor College of Medicine are not included in the funding totals provided on this page.

Historical Funding Levels (Millions)



Historical Full-Time-Equivalent Employees (FTEs)



**Health Related Institutions
Summary of Funding Changes and Recommendations - House**

Funding Changes and Recommendations for the 2020-21 Biennium compared to the 2018-19 Base Spending Level (in millions)		General Revenue	GR-Dedicated	Federal Funds	Other Funds	All Funds
<i>SIGNIFICANT Funding Changes and Recommendations (each issue is explained in Section 3 and additional details are provided in Appendix A):</i>						
A)	Maintaining 2018-19 formula rates for all HRI formulas.	\$48.8	\$0.0	\$0.0	\$0.0	\$48.8
B)	Increasing the Biomedical Informatics weight in the I&O formula to 1.750 from 1.000.	\$2.4	\$0.0	\$0.0	\$0.0	\$2.4
C)	Telemedicine Wellness Intervention and Triage Referral (TWITR) project at Texas Tech University Health Sciences Center.	\$20.0	\$0.0	\$0.0	\$0.0	\$20.0
D)	Tuition revenue bond debt service.	(\$0.5)	\$0.0	\$0.0	\$0.0	(\$0.5)
E)	GR-D decrease reflects differences between 2018-19 tuition collections and 2020-21 tuition estimates.	\$0.0	(\$10.1)	\$0.0	\$0.0	(\$10.1)
<i>OTHER Funding Changes and Recommendations (these issues are not addressed in Section 3 but details are provided in Appendix A):</i>						
F)	Board Authorized Tuition estimate for the 2020-21 biennium.	\$0.0	(\$0.5)	\$0.0	\$0.0	(\$0.5)
G)	Decrease reflects 2018-19 distributions from the Tobacco Funds compared to 2020-21 estimates.	\$0.0	\$0.0	\$0.0	(\$70.5)	(\$70.5)
TOTAL SIGNIFICANT & OTHER Funding Changes and Recommendations (in millions)		\$70.7	(\$10.6)	\$0.0	(\$70.5)	(\$10.4)
SIGNIFICANT & OTHER Funding Increases		\$71.2	\$0.0	\$0.0	\$0.0	\$71.2
SIGNIFICANT & OTHER Funding Decreases		(\$0.5)	(\$10.6)	\$0.0	(\$70.5)	(\$81.6)

NOTE: Totals may not sum due to rounding.

Health Related Institutions Selected Fiscal and Policy Issues – House

1. **Funding Overview for Health Related Institutions (HRIs).** Appropriations for HRIs are composed mainly of General Revenue, General Revenue-Dedicated (GR-D) funds, which are primarily statutory tuition and fee revenue, and Other funds for tobacco endowment earnings. Appropriations are provided to HRIs as lump sum amounts. Unlike other state agencies, institutions of higher education are not bound to spend the appropriation within the specified strategy. HRIs also collect non-appropriated funds, including designated funds (e.g. designated tuition, interest on local funds, restricted funds, earnings on endowments, contracts, gifts, and grants), auxiliary income, and patient income. These funds are not appropriated by the General Appropriations Act (GAA).

Health related institutions are appropriated funding primarily through the following: formula funding, tuition revenue bond (TRB) debt service, certain hospital and dental clinic operations, non-formula support items (formerly called special items), and tobacco endowment funds. Since formula funding varies each biennium due to changes in the institution's enrollment and other formula drivers, the institutions do not request this funding in their Legislative Appropriations Requests (LARs). Instead, each HRI submits an LAR for non-formula funding. While the General Revenue appropriated to an HRI is sum certain, appropriations of GR-D funds for statutory tuition are estimated. If tuition revenue collected by an institution is different than the amount appropriated in a biennium, the institution adjusts spending to the revenue collected. Recommended GR-D levels are established based on a tuition estimate of the most recent year of tuition collections at an institution.

In addition, each HRI submits a Legislative Appropriations Request (LAR) for non-formula General Revenue funding. Since formula funding varies each biennium due to changes in the institution's enrollment and other formula drivers, the institutions do not request formula funding.

2. **Formula Funding Recommendations.** HRIs receive funding through six formulas: Instruction and Operations Support, Infrastructure Support, Research Enhancement, Graduate Medical Education, and two mission specific formulas for The University of Texas M.D. Anderson Cancer Center (Cancer Center Operations Formula) and The University of Texas Health Science Center at Tyler (Chest Disease Center Operations Formula). Each formula is based on different drivers, such as student enrollment or space needs, and is used to support specific purposes. The data for each formula is reported by the HRIs to the Texas Higher Education Coordinating Board (THECB). THECB compiles the data and provides the information to the LBB, and LBB staff calculate the formula allocations based on this data and the formula mechanisms established in statute. Additional information on each of the six HRI formulas, including formula amounts and rates, is provided in greater detail below in the sections on each of the HRI formulas (see HRI Appendix 1 for a formula run that shows funding amounts allocated to each institution).

Recommendations include \$1,990.5 million in General Revenue for the HRI formulas in the 2020-21 biennium, an increase of \$70.7 million from 2018-19 formula funding levels. Formula funding recommendations are based on maintaining 2018-19 rates for the main HRI formulas, increasing the Biomedical Informatics weight to 1.75 from 1.0, and establishing a new mission-specific formula for The University of Texas Southwestern Medical Center, the Performance Based Research Operations formula, which is funded with \$21.8 million reallocated from Hold Harmless funds appropriated to the institution during the 2018-19 biennium.

By statute, Baylor College of Medicine (BCM) Undergraduate Medical Education (UME) funding is based on the average annual state funding per undergraduate medical student provided for UT Southwestern and UT Medical Branch at Galveston. Under 2020-21 recommendations, Baylor College of Medicine's Undergraduate Medical Education estimated allocation is reduced by \$3.7 million in the 2020-21 biennium compared to the 2018-19 biennium.

Maintaining 2018-19 formula rates in the 2020-21 biennium results in increased General Revenue appropriations for each formula due to the growth of formula drivers, including student enrollment, predicted square feet, research expenditures, number of residents, and other variables.

General Revenue	2018-19 Appropriations	2020-21 House Bill 1 as Introduced	Biennial Increase/(Decrease)
All HRI Formulas	\$1,919.8 million	\$1,990.5 million	\$70.7 million

Note: Amounts above include Baylor College of Medicine.

- a) **Instructions and Operations (I&O) Formula.** The I&O Formula provides funding for the ongoing academic and administrative programs of the health related institutions and is the largest source of formula funding for HRIs. I&O funding is allocated to institutions per full-time student equivalent (FTSE), with a funding weight based on the student's instructional program.

General Revenue	2018-19 Appropriations	2020-21 House Bill 1 as Introduced	Biennial Increase/(Decrease)
Instruction and Operations			
I&O Formula: Public HRIs	\$1,099.6 million	\$1,134.6 million	\$34.9 million
Baylor College of Medicine UME	\$76.1 million	\$72.4 million	(\$3.7 million)
Totals Including BCM	\$1,175.7 million	\$1,206.9 million	\$31.2 million
I&O Rate per Weighted FTSE	\$9,431	\$9,431	\$0
Total Weighted FTSEs	60,412.5	62,880.2	2,467.7

Note: Rate is All Funds; amounts are General Revenue.

I&O Formula allocations include \$40.1 million for the Small Class Supplement, a decrease of \$2.1 million from the 2018-19 biennium. Instructional programs at remote locations and the main campus at UTHSC at Tyler with enrollments of less than 200 students at individual campuses receive a small class supplement of \$30,000 per FTSE for dental or medical programs and \$20,000 per FTSE for all other programs to compensate for diseconomies of scale. The Small Class Supplement is distributed on a sliding scale, so that the amount received per student decreases with each additional student added to the program up to 200 students. See HRI Appendix 4 for Small Class Supplement funding levels for each institution.

Baylor College of Medicine is authorized to receive funding for UME based on the average annual state funding per undergraduate medical student provided for The University of Texas Medical Branch at Galveston (UTMB) and The University of Texas Southwestern Medical Center, in accordance with Texas Education Code, Section 61.091 – 61.093. Funding for Baylor UME is appropriated through THECB's bill pattern. Statute relating to undergraduate medical education for Baylor College of Medicine was established in 1971 when there were five accredited public medical schools in Texas.

- b) **Infrastructure Support Formula.** The Infrastructure Support Formula provides funding for the maintenance and operation of the institutions' physical plants and equipment.

General Revenue	2018-19 Appropriations	2020-21 Recommendations	Biennial Increase/(Decrease)
Infrastructure Support Formula GR	\$250.1 million	\$250.6 million	\$0.5 million
Infrastructure Support Rate	\$6.11 per predicted SF	\$6.11 per predicted SF	\$0
Total Predicted Square Feet	21,913,160	22,221,229	308,069

Note: Rate is All Funds; amounts are General Revenue.

- c) **Research Enhancement Formula.** Research Enhancement formula allocations provide base funding of \$1,412,500 per year to each institution plus 1.16 percent of the institution's fiscal year 2017 research expenditures as reported to THECB. Recommendations continue to include research conducted by faculty of an HRI under contract with a clinical partner in the formula allocations. The Research Enhancement Formula consists entirely of General Revenue.

General Revenue	2018-19 Appropriations	2020-21 Recommendations	Biennial Increase/(Decrease)
Research Enhancement Formula GR	\$80.6 million	\$82.2 million	\$1.5 million
Research Enhancement Rate	1.16% plus base rate of \$1.4 million	1.16% plus base rate of \$1.4 million	-
Research Expenditures	\$2,010.6 million	\$2,077.1 million	\$66.5 million

- d) **Graduate Medical Education (GME) Formula.** The GME Formula supports residency training and faculty costs related to GME and is supported entirely by General Revenue. Baylor College of Medicine receives funding through the GME formula for medical residents in accordance with Texas Education Code, Section 61.097. See Section 3a for additional information on other GME appropriations in Article III.

General Revenue	2018-19 Appropriations	2020-21 Recommendations	Biennial Increase/(Decrease)
GME Formula Funding			
Public HRIs	\$74.7 million	\$79.0 million	\$4.3 million
Baylor College of Medicine	\$15.4 million	\$16.8 million	\$1.4 million
Total with BCM	\$90.1 million	\$95.8 million	\$5.6 million
GME Rate per Resident	\$5,824	\$5,824	\$0
Total Residents	7,739	8,223	484.0

- e) **Mission Specific Formulas.** The Cancer Center Operations Formula is based on the number of Texas cancer patients treated at M.D. Anderson Cancer Center, and the Chest Disease Center Operations Formula is based on the number of Texas chest disease patients treated at UT Health Science Center at Tyler. Both mission specific formulas are limited to an increase no greater than the rate of increase of total I&O Formula funding. In addition, House Bill 1 as Introduced creates a new mission-specific formula for The University of Texas Southwestern Medical Center, the Performance Based Research Operations formula, which is funded with \$21.8 million reallocated from Hold Harmless funds appropriated to the institution during the 2018-19 biennium. Performance Based Research Operations is a pilot formula for the 2020-21 biennium.

General Revenue	2018-19 Appropriations	2020-21 Recommendations	Biennial Increase/(Decrease)
Cancer Center Operations Formula – UT M.D. Anderson Cancer Center	\$264.8 million	\$272.9 million	\$8.1 million
Cancer Center Rate	\$1,650	\$1,650	\$0
Texas Cancer Patients	80,258	82,725	2,467
Chest Disease Center Operations Formula – UT Health Science Center at Tyler	\$58.4 million	\$60.2 million	\$1.9 million
Chest Disease Rate	\$186	\$183*	(\$3)
Chest Disease Cases	156,364	164,268	7,904
Performance Based Research Operations Formula – UT Southwestern Medical Center	\$0	\$21.8 million	\$21.8 million
Research Operations Rate	NA	TBD	NA
Research Operations Driver	NA	TBD	NA
Grand Total, Mission Specific Formulas	\$323.2 million	\$355.0 million	\$31.8 million

Note: Mission specific formulas are limited to an increase no greater than the rate of increase of total I&O Formula funding for the biennium.

Non-Formula Funding

- Non-Formula General Revenue Funding.** General Revenue funding is maintained at 2018-19 appropriated levels for most non-formula strategies, including workers' compensation, unemployment insurance compensation, dental clinic operations, and lease of facilities. Recommendations include \$423.4 million in General Revenue for non-formula support items for the 2020-21 biennium, an increase of \$27.5 million from the 2018-19 biennial General Revenue Funds base funding. This increase consists of:

 - \$20.0 million in additional General Revenue funding for the Telemedicine Wellness Intervention and Triage Referral (TWITR) project at Texas Tech University Health Sciences Center;
 - \$7.5 million of Hold Harmless funding reallocated to non-formula support item strategies for the 2020-21 biennium (\$6.0 million at UT Medical Branch at Galveston, and \$1.5 million at UT Health Science Center at San Antonio).

Additionally, \$6.0 million of General Revenue funds are reallocated from Hold Harmless funding to the Medical Branch Hospitals strategy at UT Medical Branch at Galveston.
- Tuition Revenue Bonds and Debt Service.** Funding for tuition revenue bond and other debt service is recommended at 2020-21 requested amounts, which total \$292.2 million for the 2020-21 biennium, a decrease of \$0.5 million General Revenue from 2018-19 base funding levels due to incremental reductions of debt service obligations associated with bond projects authorized by previous legislatures.
- Full-Time Equivalent (FTE) Methodology.** Recommendations set the FTE caps at the FY 2018 actual levels for all appropriated FTEs positions adjusted by 1.0 FTE for every \$250,000 increase/decrease of formula and non-formula funding as compared to the 2018-19 biennium. Recommendations would maintain this FTE calculation for the 86th Legislative Session.
- UTMB Hospital Systems Operations Formula.** UTMB requests to convert its Health System appropriations (including its Medical Branch Hospital, Chronic Dialysis Center, and Support for Indigent Care strategies) to a patient-based formula. The formula would be based on the number of primary care, trauma, diabetes,

heart/vascular, psychiatry, and telemedicine patients the university serves. For the first biennium, the institution requests the rate be established based on current funding levels, so no additional funding is associated with this request for the 2020-21 biennium. In conjunction with this request, UTMB requests two riders, one in its bill pattern and one in special provisions, to consolidate four existing health systems strategies into a new Health Systems Operations strategy, and, in Special Provisions, to establish and define the provisions of the requested Health Systems Operations formula.

7. **Dental Clinic Operations Formula.** Three institutions receive funding for dental clinic operations: UTHSC Houston, UTHSC San Antonio, and TAMUHSC. These institutions each receive varying amounts of General Revenue funding through a direct appropriation in the Dental Clinic Operations Strategy, ranging from \$74,972 at TAMUHSC for the biennium to \$1.3 million at UTHSC Houston and \$3.2 million at UTHSC San Antonio. These institutions request this funding to be converted into a formula based on the average number of patient visits to undergraduate dental students at a School of Dentistry clinic over a two year base period. The proposed rate of \$45 per visit is based on the amount needed to cover the current operating losses per visit. Based on patient information submitted by the institutions, this rate and methodology would require an increase in General Revenue funds of approximately \$10.1 million above 2020-21 baseline funding levels for Dental Clinic Operations. The DCO proposal would provide an additional \$5.0 million to UTHSC Houston, an additional \$4.6 million to TAMUHSC, and an additional \$0.5 million to UTHSC San Antonio. UTHSC at Houston requests a rider that establishes and defines the provisions of the requested formula.
8. **Informational Item: Medicaid at HRI Hospitals.** There are five HRI-owned hospitals owned by four UT Health Related Institutions: UT M.D. Anderson Cancer Center; UT Health Science Center at Tyler; UT Medical Branch at Galveston; UT Southwestern St. Paul/Clements; and UT Southwestern Zale Lipshy. All HRI-owned hospitals accept traditional Medicaid patients without limits on the number, subject to determination by a physician that admission is medically necessary for the patient. However, over 90 percent of the state's Medicaid population is enrolled in managed care. Some Managed Care Organizations (MCOs) lack contracts or agreements with particular HRI facilities. In such instances, care for a patient in Medicaid Managed Care is contingent upon the HRI-owned facility and the managed care organization reaching an agreement for the treatment of that patient.

Some HRIs, such as M.D. Anderson Cancer Center, have limited contracts with Managed Medicaid plans. As of November 2018, M.D. Anderson is only contracted with Texas Children's Health plan members who are eligible for STAR or Children's Health Insurance Program (CHIP). However, some other non-contracted Managed Medicaid health plans allow treatment at M.D. Anderson through a single-case agreement process. Under this process, Medicaid patients covered by a non-contracted plan must request their health plan to negotiate a single case agreement to allow treatment at M.D. Anderson. Additionally, in some instances, M.D. Anderson will treat Medicaid patients covered by a non-contracted plan based on a Medical Administrative Override policy. This policy is applied when a patient with a complex cancer requires multiple stages of treatment and care, but only receives single case agreements from the MCO for some of the treatments required. A similar Medical Override is applied if a patient changes MCOs in the middle of a treatment regimen and subsequently loses plan coverage at M.D. Anderson, or must negotiate new single case agreements.

Hospitals owned by The University of Texas System and its component institutions also observe uniform policies, including for the provision of emergency services as required by federal law, and have financial assistance mechanisms in place for uninsured and underinsured patients. Hospitals that are affiliated or partnered with HRIs, rather than owned by HRIs, have a variety of policies related to acceptance of Medicaid patients.

Health Related Institutions GME Funding Overview - House

1. **Graduate Medical Education Funding.** Recommendations for GME funding in Article III total \$267.1 million, an increase of \$65.8 million from 2018-19 appropriated amounts. Recommendations for the HRI GME formula, which includes Baylor College of Medicine, include \$95.8 million of General Revenue for the 2020-21 biennium, an increase of \$6.3 million. Additionally, the Texas Higher Education Coordinating Board (THECB) receives appropriations for three programs that support GME. Recommendations increase GME Expansion Program funding from \$97.1 million to \$157.2 million, an increase of \$60.1 million, to meet the state's goal of achieving a 1.1 to 1.0 ratio of first-year GME positions relative to the number of annual medical graduates in the state. Recommendations maintain funding for the Family Practice Residency Program and the emergency and Trauma Care Education Partnership Program, as reflected below. The table below provides an overview of recommended 2020-21 funding levels for HRI GME formula funding and GME programs at THECB with a comparison to 2018-19 funding levels.

Program ¹	2018-19 Appropriated	2020-21 Recommended	Difference	Percent Change
Health Related Institutions				
GME Formula Funding ²	\$90.1 million	\$95.8 million	\$5.6 million	6.3%
Higher Education Coordinating Board				
GME Expansion ³	\$97.1 million	\$157.2 million	\$60.1 million	61.9%
Family Practice Residency Program	\$10.0 million	\$10.0 million	-	-
Emergency and Trauma Care Education Partnership Program	\$4.1 million	\$4.1 million	-	-
TOTAL	\$201.3 million	\$267.1 million	\$65.8 million	32.7%

¹ Residency programs can receive funding through multiple programs. For example, a resident can be funded through the Graduate Medical Education Expansion strategy and through the Graduate Medical Education formula.

² The Graduate Medical Education Formula amounts include funds appropriated for graduate medical education at Baylor College of Medicine through the THECB's bill pattern.

³ Recommendations for the GME Expansion Program include \$22.0 million of funding from the Permanent Fund Supporting Graduate Medical Education for the 2020-21 biennium. The remainder of GME Expansion funds are General Revenue.

2. **New Medical Schools and Graduate Medical Education (GME).** Funding of Article III GME programs, particularly the GME Expansion Program, is framed by the Texas Education Code, Section 61.0661, which outlines a goal of achieving a 1.1 to 1.0 ratio of first-year GME positions relative to the number of annual medical school graduates in the state. Through a variety of state funding avenues and the growth of residency positions at health related institutions and affiliated teaching hospitals, Texas surpassed the 1.1 to 1.0 goal in fiscal year 2017, creating 1,868 filled, first-year resident positions for a total of 1,660 medical graduates in the state.

However, the growth of medical school enrollment and the creation of new medical schools in Texas has increased the challenge of meeting the 1.1 to 1.0 goal. In the summer and fall of 2016, respectively, The University of Texas at Austin Dell Medical School and The University of Texas Rio Grande Valley School of Medicine matriculated their inaugural classes. Between them, the two new medical schools increased first-year medical school enrollments by 105 new medical students, and both institutions received formula and non-formula funding in the 2018-19 biennium, supporting future expansion. The University of the Incarnate Word, a private osteopathic medical school in San Antonio, enrolled its first 162 osteopathic medical students in fall 2017. In August 2018, the THECB approved a new doctor of osteopathic (D.O.) medicine degree program at Sam Houston State University, which proposes to enroll approximately 150 osteopathic medical students beginning in fall 2020. Notably, representatives of Sam Houston State University and the Texas State University System appended a resolution prior to the THECB vote on the D.O. program that Sam Houston State University will not request, nor if offered will not accept, formula funding from the state. Subsequently, the THECB gave preliminary approval for a

proposed MD degree program at the University of Houston (UH), and for an MD program to be offered jointly by the University of North Texas Health Science Center (UNTHSC) and Texas Christian University (TCU). UH and UNTHSC/TCU propose to enroll their first medical students in fall 2020 and fall 2019, respectively. The statute prohibiting UNTHSC from offering an M.D. degree was repealed by the 85th Legislature.

Other Sources of GME Funding. In addition to GME funding appropriated to HRIs and the THECB in Article III, residency training receives financial support from several other sources, including the following: appropriations to Article II facilities operated by the Health and Human Services Commission (HHSC) and the Department of State Health Services (DSHS); federal Medicaid and Medicare funding; and patient care services, which consist of patient revenues or contract revenues generated by health services that residents provide on behalf of supervising physicians. It is estimated that the average annual cost of educating a medical resident is \$150,000, while the HRI GME Formula funds medical residencies at a rate of \$5,824 per medical resident (2018-19 annual GME rate), or approximately 4.0 percent of the cost of graduate medical education, and the GME Expansion Program provides approximately \$75,000, or approximately 50.0 percent of the cost of graduate medical education.

Residencies at State Mental Health Hospitals. State mental health hospitals, which are operated by HHSC, maintain a total of 55 residency positions at 5 hospitals across the state, as shown in the chart below. Residency stipends at state hospitals and associated administrative costs are funded with General Revenue. Partnerships and affiliation agreements between state hospitals and health related institutions are designed to meet the educational and clinical requirements of accrediting bodies.

Residency Programs at State Hospitals	No. of Residents	Affiliated HRIs
STATE HOSPITALS		
Austin State Hospital	8	UT Austin Dell Medical School UT Health Science Center at San Antonio
San Antonio State Hospital	6	UT Health Science Center at San Antonio
Rio Grande State Center	24	UT Rio Grande Valley School of Medicine UT Health Science Center at San Antonio
Terrell State Hospital	15	UT Southwestern Medical Center UT Health Science Center at Tyler
El Paso Psychiatric Center	2	Texas Tech University Health Science Center
Big Spring State Hospital	0	Texas Tech University Health Science Center
North Texas State Hospital	0	Texas Tech University Health Science Center UT Medical Branch at Galveston UT Health Science Center at Houston
Rusk State Hospital	0	UT Health Science Center at Tyler
Kerrville State Hospital	0	<i>No affiliations with state-funded HRIs</i>
Waco Center for Youth	0	<i>No affiliations with state-funded HRIs</i>
Total	55	

Source: Texas Health and Human Services Commission.

Note: State hospitals may have affiliation agreements with health related institutions for clinical training, health professions training, and other services that are not counted as residency affiliations. Additionally, state hospitals have a variety of academic affiliations with General Academic Institutions, educational institutions of the Armed Forces, and private educational institutions, mainly related to training and services in the health professions, including nursing and mental health.

Medicaid GME. A significant portion of GME costs are financed by federal Medicaid funding provided to HRI-owned teaching hospitals, based on the state plan approved by Centers for Medicare and Medicaid Services (CMS). Every quarter the UT teaching hospitals submit data to HHSC to determine the amount of Medicaid GME each hospital is eligible for, based on a calculation of the number of residents trained and Medicaid utilization at the hospital. The state plan allows HRIs to transfer funds to HHSC as the state share to draw Medicaid funding for GME at HRI-owned teaching hospitals. The table below provides additional information on state and federal payments for Medicaid GME.

2018 Medicaid GME Payments	Federal	State	Total	State Share (%)
HRI-OWNED HOSPITALS				
UT M.D. Anderson Cancer Center	\$485,702	\$368,848	\$854,550	43.2%
UT Health Science Center at Tyler	\$363,369	\$276,161	\$639,531	43.2%
UT Medical Branch at Galveston	\$15,833,488	\$12,031,615	\$27,865,103	43.2%
UT Southwestern St. Paul/Clements	\$1,518,984	\$1,154,593	\$2,673,576	43.2%
UT Southwestern Zale Lipshy	\$41,488	\$31,529	\$73,017	43.2%
Totals	\$18,243,031	\$13,862,746	\$32,105,777	43.2%

Source: The University of Texas System Administration.

Medicare GME. Teaching hospitals, including private teaching hospitals, also receive Medicare funding to support residency programs based on rules established by CMS. Medicare establishes a GME cap at each hospital, based on the number of residency positions a hospital maintains for a period of five years, combined with the proportion of services the hospital provides to Medicare patients. However, because hospitals are given a resident cap for Medicare GME and do not receive additional funding for adding new residency positions, the number of Medicare GME positions increases gradually.

Health Related Institutions
Contracting Highlights

As of 8/31/2018, all Health Related Institutions had 560 active procurement contracts valued at \$1.2 billion and 89 revenue generating contracts worth \$48.2 million.

Summary of Contracts Awarded in Fiscal Years 2017-2018 and Reported to LBB Contracts Database¹

(Dollar values rounded to the nearest tenth of a million)

	Number	Total Value	Average Value	% of total
Procurement Contracts	1,562	\$ 794.5	\$ 0.5	100%

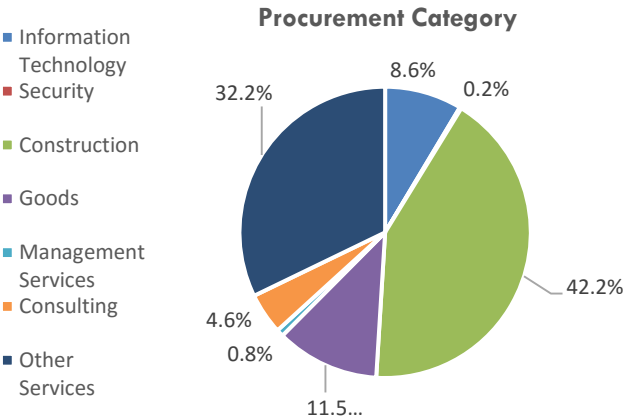
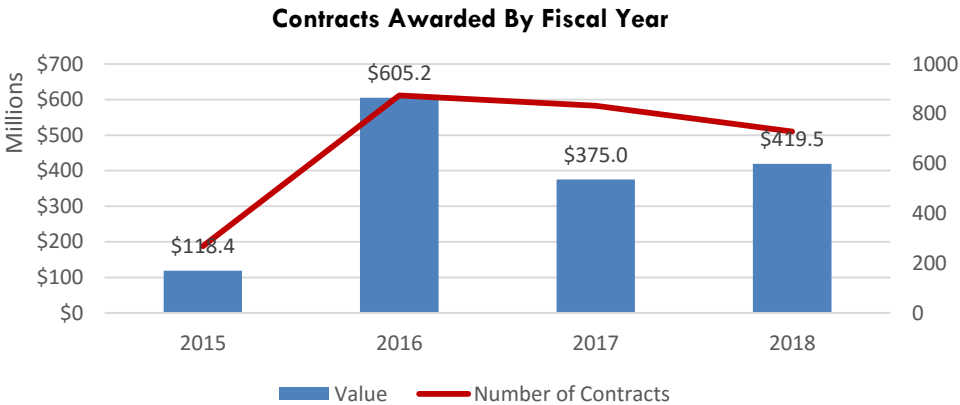
Award Method

Total Competitive Contracts	926	\$ 592.5	\$ 0.6	74.6%
Total Non-Competitive	636	\$ 202.0	\$ 0.3	25.4%
Emergency	2	\$ 0.1	\$ 0.1	0.0%
Sole Source	626	\$ 197.0	\$ 0.3	24.8%
Interagency Agreement	8	\$ 4.9	\$ 0.6	0.6%

Procurement Category

Information Technology	263	\$ 68.2	\$ 0.3	8.6%
Security	9	\$ 1.5	\$ 0.2	0.2%
Construction	169	\$ 335.4	\$ 2.0	42.2%
Goods	326	\$ 91.2	\$ 0.3	11.5%
Management Services	21	\$ 6.3	\$ 0.3	0.8%
Consulting	94	\$ 36.4	\$ 0.4	4.6%
Other Services	680	\$ 255.6	\$ 0.4	32.2%

Revenue Generating Contracts	100	\$ 62.7	\$ 0.6	100.0%
Competitive	52	\$ 8.4	\$ 0.2	13.4%
Non-competitive	48	\$ 54.3	\$ 1.1	86.6%



¹These figures reflect the total value of reported contracts awarded in FY 17-18 and reported to the LBB contracts database. Values can include planned expenditures for subsequent years and represent the amounts contracted which may include funds from sources other than appropriated or General Revenue Funds. INDEF represents contracts without a completion date.

Health Related Institutions
Rider Highlights – House

The University of Texas Medical Branch at Galveston

Modification of Existing Riders

- 4. **Transfer of Appropriations – State Owned Hospitals.** Rider amended to update the amount of intergovernmental transfer funds provided to the Health and Human Services Commission in 2020-21.
- 9. **Informational Listing – The University of Texas Medical Branch at Galveston Patient Income.** Rider amended to update estimated patient income collections and estimated FTE positions funded with patient income.

Deleted Riders

- 10. **Health Care Services.** Rider deleted due to the transfer of the Cervical Dysplasia and Cancer Stop Clinic in McAllen to The University of Texas Rio Grande Valley School of Medicine.

The University of Texas Health Science Center at Houston

Modification of Existing Riders

- 4. **Informational Listing – The University of Texas Health Science Center at Houston Patient Income.** Rider amended to update estimated patient income collections and estimated FTE positions funded with patient income.
- 7. **Psychiatric Sciences.** Rider amended to change the name to Psychiatry and Behavioral Sciences Research to align with the name of the strategy.

The University of Texas Health Science Center at San Antonio

Modification of Existing Riders

- 4. **Informational Listing – The University of Texas Health Science Center at San Antonio Patient Income.** Rider amended to update estimated patient income collections and estimated FTE positions funded with patient income.
- 7. **Barshop Institute for Longevity and Aging Studies.** Rider amended to provide unexpended balances authority between each fiscal year of the biennium.

Deleted Riders

- 3. **Services Provided in Support of the Regional Academic Health Center (RAHC) and The University of Texas Rio Grande Valley School of Medicine.** Rider deleted due to the transfer of responsibility for the RAHC from UT Health Science Center at San Antonio to The University of Texas Rio Grande Valley School of Medicine.

The University of Texas M.D. Anderson Cancer Center

Modification of Existing Riders

- 2. **Transfer of Appropriations – State Owned Hospitals.** Rider amended to update the amount of intergovernmental transfer funds provided to the Health and Human Services Commission in 2020-21.

7. **Informational Listing – The University of Texas M.D. Anderson Cancer Center Patient Income.** Rider amended to update estimated patient income collections and estimated FTE positions funded with patient income.
3. **Special Project Funding.** Rider amended to allow UT M.D. Anderson Cancer Center to expend PUF funds, accept gifts and grants, administer support facilities, and acquire, construct, alter, add to, repair, rehabilitate, equip and/or furnish such projects for the institution, but removes the rider provision that such actions are “subject to approval of the Texas Higher Education Coordinating Board.” The rider amendment is based on changes authorized in SB 215 by the 83rd Legislature.

The University of Texas Health Science Center at Tyler

Modification of Existing Riders

2. **Transfer of Appropriations – State Owned Hospitals.** Rider amended to update the amount of intergovernmental transfer funds provided to the Health and Human Services Commission in 2020-21.
4. **Informational Listing – The University of Texas Health Science Center at Tyler Patient Income.** Rider amended to update estimated patient income collections and estimated FTE positions funded with patient income.

Texas A&M University Health Science Center

Modification of Existing Riders

7. **Informational Listing – Texas A&M Health Science Center Patient Income.** Rider amended to update estimated patient income collections and estimated FTE positions funded with patient income.

University of North Texas Health Science Center

Deleted Riders

4. **Parking Garage Debt Service.** Rider deleted due to the TRB being paid in full in fiscal year 2019.

Texas Tech University Health Sciences Center

New Riders

7. **Contingency for Behavioral Health Funds.** Rider added due to the appropriation of funds subject to the requirements of Article IX, Sec. 10.04, Statewide Behavioral Health Strategic Plan and Coordinated Expenditures.

The University of Texas Rio Grande Valley School of Medicine

New Riders

2. **Appropriations in Support of the School of Medicine and the Regional Academic Health Center (RAHC).** New rider due to the creation of a separate bill pattern for UT Rio Grande Valley School of Medicine. Rider 2 is substantively the same as the rider of the same name in the bill pattern of the general academic component of The University of Texas Rio Grande Valley.
3. **Unexpended Balances Between Fiscal Years: School of Medicine.** New rider due to the creation of a separate bill pattern for UT Rio Grande Valley School of Medicine. Rider 2 is substantively the same as the rider of the same name in the bill pattern of the general academic component of The University of Texas Rio Grande Valley.

4. **Reporting Requirement on Research Expenditures.** New rider due to the creation of a separate bill pattern for UT Rio Grande Valley School of Medicine. Rider 2 is substantively the same as the rider of the same name in the bill pattern of the general academic component of The University of Texas Rio Grande Valley.
5. **Reporting Requirement on Benefit Expenditures.** New rider due to the creation of a separate bill pattern for UT Rio Grande Valley School of Medicine. Rider 2 is substantively the same as the rider of the same name in the bill pattern of the general academic component of The University of Texas Rio Grande Valley.
6. **Reporting Requirement on Permanent Health Fund Expenditures.** New rider due to the creation of a separate bill pattern for UT Rio Grande Valley School of Medicine. Rider 2 is substantively the same as the rider of the same name in the bill pattern of the general academic component of The University of Texas Rio Grande Valley.
7. **Estimated Appropriation and Unexpended Balance.** New rider due to the creation of a separate bill pattern for UT Rio Grande Valley School of Medicine. Rider 2 is substantively the same as the rider of the same name in the bill pattern of the general academic component of The University of Texas Rio Grande Valley.

**Health Related Institutions
Items Not Included in Recommendations - House**

		2020-21 Biennial Total			Information Technology Involved?	Contracting Involved?	Estimated Continued Cost 2022-23			
		GR & GR-D	All Funds	FTEs						
Institution Exceptional Items Not Included (in institution priority order)										
The University of Texas Southwestern Medical Center										
1)	Center for Gene Therapy & Curative Medicine. Additional funding to support gene therapy research and translate discoveries into clinical testing.	\$18,000,000	\$18,000,000	90.0	N	N	\$18,000,000			
2)	Texas Center for Advanced Radiation Therapy (TCART). Additional funding to develop a Heavy Ion Research and Treatment Center.	\$9,000,000	\$9,000,000	50.0	N	N	\$9,000,000			
3)	UT Dallas / UT Southwestern Translational Biomedical Engineering and Science Building. TRB debt service funding to construct a new Biomedical Engineering and Science Building for a joint program of UT Dallas and UT Southwestern. Requested General Revenue is for UT Southwestern's share of the debt service on \$60 million of TRBs. The total TRB request for the project is \$120 million, shared equally by the two institutions.	\$10,460,000	\$10,460,000	0.0	N	Y	\$10,460,000			
Total - The University of Texas Southwestern Medical Center		\$37,460,000	\$37,460,000	140.0			\$37,460,000			
The University of Texas Medical Branch at Galveston										
1)	Restoration of Reductions from the 85th Legislative Session. Additional funding to restore reductions to Medical Branch hospitals, students in medically underserved areas, programs and staff in the Area Health Education Centers, and indigent care support.	\$11,084,724	\$11,084,724	43.6	N	N	\$11,084,724			
2)	League City Campus Education and Clinical Building. TRB debt service funding to construct an Education and Clinical Multi-Use Building on the institution's League City Campus to increase space available for instruction, research, outpatient services, clinical trials, faculty offices, conference areas, and other functions. Requested General Revenue is for debt service on a total TRB request of \$157 million.	\$27,380,000	\$27,380,000	0.0	N	N	\$27,380,000			
Total - The University of Texas Medical Branch at Galveston		\$38,464,724	\$38,464,724	43.6			\$38,464,724			

**Health Related Institutions
Items Not Included in Recommendations - House**

		2020-21 Biennial Total			Information Technology Involved?	Contracting Involved?	Estimated Continued Cost 2022-23
		GR & GR-D	All Funds	FTEs			
The University of Texas Health Science Center at Houston							
1)	Women's Health Education and Research Center. Requested funding to create a center that recruits faculty and researchers, promotes research, and trains a workforce to address the health needs of Texas women.	\$18,000,000	\$18,000,000	30.0	N	N	\$18,000,000
2)	Texas Medical Center 3 (TMC3) Research Building. TRB debt service funding to construct a new research building jointly with M.D. Anderson Cancer Center. Requested General Revenue is for UT Health Houston's share of the debt service on \$100 million of tuition revenue bonds. The total TRB request for the project is \$200 million, shared equally between UTHSC Houston and M.D. Anderson. The total project cost is estimated at \$511.0 million, the remainder covered by other sources of funds, including \$73.0 million of funding from the UT System Administration.	\$17,440,000	\$17,440,000	0.0	N	N	\$17,440,000
3)	Restoration of Non-Formula Funding Items. Additional funding to restore the non-formula reductions made in the 85th Legislative Session, distributed across non-formula support strategies.	\$3,523,394	\$3,523,394	7.1	N	N	\$3,435,568
Total - The University of Texas Health Science Center at Houston		\$38,963,394	\$38,963,394	37.1			\$38,875,568
The University of Texas Health Science Center at San Antonio							
1)	Barshop Institute for Longevity and Aging Studies - Alzheimer's Research. Additional funding to expand infrastructure, pursue new research collaborations, sustain a subject registry and repository, create community research teams, maintain data management platforms, modernize translational research infrastructure, train new faculty, and recruit scientists.	\$12,700,000	\$12,700,000	20.0	N	N	\$12,700,000
2)	Restoration of Funding – Regional Campus Laredo (RCL). Additional funding to restore reductions made in the 85th Legislative Session to dental medicine, allied health, and other basic healthcare programs that serve the region through the Regional Campus at Laredo.	\$1,513,628	\$1,513,628	6.0	N	N	\$1,513,628
3)	Restoration of Funding – San Antonio Life Sciences Institute (SALSI). Additional funding to restore reductions for items that supported joint studies and collaborations on faculty development, research, and research education.	\$352,000	\$352,000	0.0	N	N	\$352,000

**Health Related Institutions
Items Not Included in Recommendations - House**

		2020-21 Biennial Total			Information Technology Involved?	Contracting Involved?	Estimated Continued Cost 2022-23
		GR & GR-D	All Funds	FTEs			
4)	Restoration of Funding – Outreach Support for South Texas Programs. Additional funding for items reduced in the 85th Legislative Session to support healthcare services, educational services, and outreach programs in the South Texas border region.	\$134,540	\$134,540	1.0	N	N	\$134,540
5)	Institute for Alzheimer’s & Neurodegenerative Diseases Building. TRB debt service request to construct a new facility for the Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases Institute (ANDI). The facility would expand space available for clinical research, population neuroscience, basic biological science, education and training, public health, policy, and community engagement. The General Revenue request is for debt service on a total TRB request of \$82 million, which is sufficient to cover the total estimated cost of the project.	\$14,300,000	\$14,300,000	0.0	N	N	\$14,300,000
	Rider Revisions Requested by Institution but not Recommended						
1)	Rider 7, Barshop Institute for Longevity and Aging Studies. The institution requests the following modifications to the rider: (a) to modify the name of the rider to Unexpended Balances Between Fiscal Years: Barshop Institute for Longevity and Aging Studies; and (b) to delete the section specifying the amount appropriated to the Barshop Institute each fiscal year.						
Total - The University of Texas Health Science Center at San Antonio		\$29,000,168	\$29,000,168	27.0			\$29,000,168
The University of Texas M.D. Anderson Cancer Center							
1)	Restoration of Breast Cancer Research Program (IBC). Additional funding to restore reductions made to breast cancer research and programs to translate discoveries into treatments.	\$960,000	\$960,000	4.0	N	N	\$960,000

**Health Related Institutions
Items Not Included in Recommendations - House**

		2020-21 Biennial Total			Information Technology Involved?	Contracting Involved?	Estimated Continued Cost 2022-23
		GR & GR-D	All Funds	FTEs			
2)	Texas Medical Center 3 (TMC3) Research Building. TRB debt service funding to construct a new research building jointly with UT Health Science Center at Houston. Requested General Revenue is for M.D. Anderson's share of the debt service on \$100 million of tuition revenue bonds. The total TRB request for the project is \$200 million, shared equally between UTHSC Houston and M.D. Anderson. The total project cost is estimated at \$511.0 million, the remainder covered by other sources of funds, including \$73.0 million of funding from the UT System Administration.	\$17,440,000	\$17,440,000	0.0	N	N	\$17,440,000
Total - The University of Texas M.D. Anderson Cancer Center		\$18,400,000	\$18,400,000	4.0			\$18,400,000
The University of Texas Health Science Center at Tyler							
1)	Mental Health Workforce Training Expansion. Additional funding to expand the institution's mental health workforce training program to include areas of child and adolescent abuse and mental illness treatment through educational, research, and clinical initiatives.	\$5,460,000	\$5,460,000	19.0	N	N	\$5,460,000
2)	Tuition Revenue Bond Debt Service for Repair and Rehabilitation of Facilities. TRB debt service funding to repair and rehabilitate 28,025 GSF of existing lab space, microscope rooms, culture rooms, and other teaching and academic support areas. The General Revenue request of \$3.2 million is for debt service on a total TRB request of \$18.5 million.	\$3,230,000	\$3,230,000	0.0	N	N	\$3,230,000
Total - The University of Texas Health Science Center at Tyler		\$8,690,000	\$8,690,000	19.0			\$8,690,000
Texas A&M University System Health Science Center							
1)	Healthy Texas. Additional funding to expand the Healthy South Texas program from its current 27 counties into a statewide program that would undertake campaigns to prevent and manage disease and encourage exercise, improved nutrition, screenings, medication, vaccinations, and other preventative care. The institution also requests modification of its Healthy South Texas Rider to be renamed Healthy Texas, with rider language specifying expenditures by region.	\$10,856,000	\$10,856,000	42.9	N	Y	\$10,856,000

**Health Related Institutions
Items Not Included in Recommendations - House**

		2020-21 Biennial Total			Information Technology Involved?	Contracting Involved?	Estimated Continued Cost 2022-23
		GR & GR-D	All Funds	FTEs			
2)	EMPOWER (Enhancing Mental Health Practice, Organizations, and Workforce through Education and Readiness) Project ECHO. Additional funding to expand the healthcare network and address the prevention and treatment of opioid and substance abuse and mental and behavioral health in rural and underserved areas of Texas. The funding would also be used to create a Psychiatric Mental Health Nurse Practitioner (PMHNP) training program for nurses.	\$3,500,000	\$3,500,000	12.0	N	N	\$3,500,000
3)	Texas Medical Center 3 (TMC3) Project. TRB debt service funding to construct a new Texas A&M biomedical research facility in the TMC3 collaborative project. Requested General Revenue is for debt service on a total TRB request of \$100 million. The total project cost is estimated at \$157 million, the remainder covered by other sources of funds.	\$17,436,912	\$17,436,912	0.0	N	N	\$17,436,912
Rider Revisions Requested by Institution but not Recommended							
1)	Rider 1, Performance Measure Targets. The institution requests updated 2020-21 performance measure targets for two measures, Average Financial Aid Award per Full-Time Student, and Percent of Full-Time Students Receiving Financial Aid, due to improvements to the calculation methodology.						
Total - Texas A&M University System Health Science Center		\$31,792,912	\$31,792,912	54.9			\$31,792,912
University of North Texas Health Science Center							
1)	Academic Building. TRB debt service request to construct a new building on the UNTHSC campus to expand academic, administrative, and support space available to the institution. Requested General Revenue is for debt service on a total TRB request of \$115.5 million, which is expected to cover the total project cost.	\$19,896,320	\$19,896,320	0.0	N	Y	\$19,894,900
Rider Revisions Requested by Institution but not Recommended							
1)	Rider 6, Texas Missing Persons and Human Identification Program. The institution requests to delete the rider because the funding amounts and uses of funds specified in the rider are appropriated to the corresponding strategy of the same name.						

**Health Related Institutions
Items Not Included in Recommendations - House**

		2020-21 Biennial Total			Information Technology Involved?	Contracting Involved?	Estimated Continued Cost 2022-23
		GR & GR-D	All Funds	FTEs			
2)	Rider 7, Institute for Patient Safety and Preventable Harm. The institution requests to delete the rider because the funding amounts and uses of funds specified in the rider are appropriated to the corresponding strategy of the same name.						
Total - University of North Texas Health Science Center		\$19,896,320	\$19,896,320	0.0			\$19,894,900
Texas Tech University Health Sciences Center							
1)	Texas Tech Mental Health Institute. Additional funding to provide educational, research, and treatment services related to mental health issues.	\$2,500,000	\$2,500,000	10.0	N	N	\$2,500,000
2)	Amarillo Academic and Clinic Expansion. TRB debt service funding to add two facilities to the current Texas Tech University Health Sciences Center Amarillo campus, including a library and student learning areas. The General Revenue request is for debt service on a total TRB request of \$34.7 million. The total project cost is estimated at \$38.5 million, with the remainder covered by other sources of funds.	\$6,041,890	\$6,041,890	0.0	N	N	\$6,041,890
Rider Revisions Requested by Institution but not Recommended							
1)	Rider 7, School of Public Health. The institution requests to delete the rider because the funding amounts and uses of funds specified in the rider are appropriated to the corresponding strategy of the same name.						
2)	Rider 1, Performance Measure Targets. The institution requests updated 2020-21 performance measure targets for one measure, Average Financial Aid Award per Full-Time Student, due to improvements to the calculation methodology.						
Total - Texas Tech University Health Sciences Center		\$8,541,890	\$8,541,890	10.0			\$8,541,890

**Health Related Institutions
Items Not Included in Recommendations - House**

		2020-21 Biennial Total			Information Technology Involved?	Contracting Involved?	Estimated Continued Cost 2022-23
		GR & GR-D	All Funds	FTEs			
Texas Tech University Health Sciences Center at El Paso							
1)	Dental School Building. TRB debt service request to construct a new building for the Woody L. Hunt School of Dental Medicine. Requested General Revenue is for debt service on a total TRB request of \$92.3 million. The total project cost is estimated at \$102.6 million, the remainder covered by other sources of funds.	\$16,102,814	\$16,102,814	0.0	N	N	\$16,102,814
Total - Texas Tech University Health Sciences Center at El Paso		\$16,102,814	\$16,102,814	0.0			\$16,102,814
The University of Texas Rio Grande Valley School of Medicine							
1)	School of Medicine. Additional funding to help achieve full accreditation by the Liaison Committee on Medical Education (LCME), including by developing a rigorous medical education curriculum, establishing medical student services, and hiring additional faculty and staff.	\$10,000,000	\$10,000,000	22.0	N	N	\$10,000,000
2)	Cervical Dysplasia and Cancer Immunology Center. Additional funding to allow UTRGV School of Medicine to assume operations of the Cervical Dysplasia and Cancer Stop Clinic in McAllen from UTMB. The funds would help expand cervical screening services, conduct research into cervical and related cancers, establish a residency program, and help support several related departments at the medical school.	\$4,400,000	\$4,400,000	17.0	N	N	\$4,400,000
3)	Transfer of Funding from UTMB for the Cervical Dysplasia and Cancer Stop Clinic in McAllen. House Bill 1 as Introduced removed Rider 10, Health Care Services, from the UTMB bill pattern due to the transfer of the Cervical Dysplasia and Cancer Stop Clinic to UTRGV School of Medicine. Both institutions also intended that the funding specified in the rider, \$712,500 for the biennium, be moved from UTMB to UTRGV School of Medicine. Funding at UTRGV School of Medicine would increase by \$712,500 for the biennium, and funding for UTMB Medical Branch Hospitals would decrease by a corresponding amount.	\$0	\$0	0.0	N	N	\$0
Total - The University of Texas Rio Grande Valley School of Medicine		\$14,400,000	\$14,400,000	39.0			\$14,400,000
TOTAL Items Not Included in Recommendations		\$261,712,222	\$261,712,222	374.6			\$261,622,976

**Health Related Institutions
Specific Appendices - House**

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Health Related Institutions
2020-21 House Bill 1 as Introduced Compared to 2018-19 Appropriated

HRI Appendix 1

Instruction and Operations	Formula General Revenue 2018-19	Formula General Revenue 2020-21	Formula GR Difference	% GR Variance Biennium	Formula GR-D 770 2018-19	Formula GR-D 770 2020-21	Formula GR-D 770 Difference	% GR-D 770 Variance Biennium	Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Total Formula All Funds Difference	% All Funds Variance Biennium
UT Southwestern Medical Center	\$ 99,805,404	\$ 96,454,350	\$ (3,351,054)	-3.4%	\$ 7,912,702	\$ 8,495,444	\$ 582,742	7.4%	\$ 107,718,106	\$ 104,949,794	\$ (2,768,312)	-2.6%
UT Medical Branch at Galveston	\$ 121,999,476	\$ 127,381,190	\$ 5,381,714	4.4%	\$ 12,999,736	\$ 13,999,166	\$ 999,430	7.7%	\$ 134,999,212	\$ 141,380,356	\$ 6,381,144	4.7%
UT Health Science Center at Houston	\$ 203,067,940	\$ 207,080,688	\$ 4,012,748	2.0%	\$ 13,334,754	\$ 17,525,296	\$ 4,190,542	31.4%	\$ 216,402,694	\$ 224,605,984	\$ 8,203,290	3.8%
UT Health Science Center at San Antonio	\$ 160,622,181	\$ 161,774,601	\$ 1,152,421	0.7%	\$ 8,840,945	\$ 8,939,747	\$ 98,801	1.1%	\$ 169,463,126	\$ 170,714,348	\$ 1,251,222	0.7%
UT M.D. Anderson Cancer Center	\$ 5,511,704	\$ 6,442,856	\$ 931,152	16.9%	\$ 1,296,004	\$ 979,174	\$ (316,830)	-24.4%	\$ 6,807,708	\$ 7,422,030	\$ 614,322	9.0%
UT Health Science Center at Tyler	\$ 471,000	\$ 1,743,257	\$ 1,272,257	270.1%	\$ 644,926	\$ 644,289	\$ (637)	-0.1%	\$ 1,115,926	\$ 2,387,546	\$ 1,271,620	114.0%
Texas A&M University Health Science Center	\$ 168,581,848	\$ 165,461,732	\$ (3,120,115)	-1.9%	\$ 11,473,598	\$ 11,534,260	\$ 60,661	0.5%	\$ 180,055,446	\$ 176,995,992	\$ (3,059,454)	-1.7%
UNT Health Science Center	\$ 120,062,792	\$ 120,524,948	\$ 462,156	0.4%	\$ 11,232,716	\$ 10,119,962	\$ (1,112,754)	-9.9%	\$ 131,295,508	\$ 130,644,910	\$ (650,598)	-0.5%
Texas Tech University Health Sciences Center	\$ 172,177,505	\$ 181,586,400	\$ 9,408,895	5.5%	\$ 10,603,271	\$ 13,494,194	\$ 2,890,923	27.3%	\$ 182,780,776	\$ 195,080,594	\$ 12,299,818	6.7%
Texas Tech University Health Sciences Center at El Paso	\$ 38,531,100	\$ 41,026,796	\$ 2,495,695	6.5%	\$ 3,274,006	\$ 3,775,188	\$ 501,183	15.3%	\$ 41,805,106	\$ 44,801,984	\$ 2,996,878	7.2%
UT Austin Dell Medical School	\$ 3,934,276	\$ 11,520,542	\$ 7,586,267	192.8%	\$ 548,178	\$ 1,747,520	\$ 1,199,341	218.8%	\$ 4,482,454	\$ 13,268,062	\$ 8,785,608	196.0%
UT Rio Grande Valley School of Medicine	\$ 4,883,552	\$ 13,554,275	\$ 8,670,723	177.5%	\$ 47,146	\$ 341,331	\$ 294,185	624.0%	\$ 4,930,698	\$ 13,895,606	\$ 8,964,908	181.8%
INSTRUCTION AND OPERATIONS SUBTOTAL	\$ 1,099,648,778	\$ 1,134,551,635	\$ 34,902,857	3.2%	\$ 82,207,982	\$ 91,595,571	\$ 9,387,589	11.4%	\$ 1,181,856,760	\$ 1,226,147,206	\$ 44,290,446	3.7%
Baylor College of Medicine Undergraduate Medical Education ¹	\$ 76,091,974	\$ 72,377,813	\$ (3,714,161)	-4.9%	\$ -	\$ -	\$ -	NA	\$ 76,091,974	\$ 72,377,813	\$ (3,714,161)	-4.9%
INSTRUCTION AND OPERATIONS w/ BCOM SUBTOTAL	\$ 1,175,740,752	\$ 1,206,929,448	\$ 31,188,696	2.7%	\$ 82,207,982	\$ 91,595,571	\$ 9,387,589	11.4%	\$ 1,257,948,734	\$ 1,298,525,019	\$ 40,576,285	3.2%

Infrastructure ²	Formula General Revenue 2018-19	Formula General Revenue 2020-21	Formula GR Difference	% GR Variance Biennium	Formula GR-D 770 2018-19	Formula GR-D 770 2020-21	Formula GR-D 770 Difference	% GR-D 770 Variance Biennium	Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Total Formula All Funds Difference	% All Funds Variance Biennium
UT Southwestern Medical Center	\$ 48,354,400	\$ 49,239,372	\$ 884,972	1.8%	\$ 1,681,848	\$ 1,923,398	\$ 241,550	14.4%	\$ 50,036,248	\$ 51,162,770	\$ 1,126,522	2.3%
UT Medical Branch at Galveston	\$ 23,547,300	\$ 23,409,440	\$ (137,860)	-0.6%	\$ 2,763,100	\$ 3,169,460	\$ 406,360	14.7%	\$ 26,310,400	\$ 26,578,900	\$ 268,500	1.0%
UT Health Science Center at Houston	\$ 39,266,004	\$ 39,441,514	\$ 175,510	0.4%	\$ 2,834,308	\$ 3,967,788	\$ 1,133,480	40.0%	\$ 42,100,312	\$ 43,409,302	\$ 1,308,990	3.1%
UT Health Science Center at San Antonio	\$ 25,800,912	\$ 26,231,400	\$ 430,488	1.7%	\$ 1,879,146	\$ 2,023,990	\$ 144,844	7.7%	\$ 27,680,058	\$ 28,255,390	\$ 575,332	2.1%
UT M.D. Anderson Cancer Center	\$ 64,156,149	\$ 63,959,136	\$ (197,013)	-0.3%	\$ 275,467	\$ 221,688	\$ (53,779)	-19.5%	\$ 64,431,616	\$ 64,180,824	\$ (250,792)	-0.4%
UT Health Science Center at Tyler	\$ 2,474,157	\$ 2,611,784	\$ 137,627	5.6%	\$ 137,079	\$ 145,870	\$ 8,791	6.4%	\$ 2,611,236	\$ 2,757,654	\$ 146,418	5.6%
Texas A&M University Health Science Center	\$ 14,725,490	\$ 14,770,724	\$ 45,234	0.3%	\$ 2,438,718	\$ 2,611,396	\$ 172,678	7.1%	\$ 17,164,208	\$ 17,382,120	\$ 217,912	1.3%
UNT Health Science Center	\$ 7,414,917	\$ 6,884,072	\$ (530,845)	-7.2%	\$ 2,387,519	\$ 2,291,194	\$ (96,325)	-4.0%	\$ 9,802,436	\$ 9,175,266	\$ (627,170)	-6.4%
Texas Tech University Health Sciences Center	\$ 15,535,522	\$ 15,082,406	\$ (453,116)	-2.9%	\$ 2,253,730	\$ 3,055,132	\$ 801,402	35.6%	\$ 17,789,252	\$ 18,137,538	\$ 348,286	2.0%
Texas Tech University Health Sciences Center at El Paso	\$ 5,097,664	\$ 4,919,790	\$ (177,874)	-3.5%	\$ 695,892	\$ 854,716	\$ 158,824	22.8%	\$ 5,793,556	\$ 5,774,506	\$ (19,050)	-0.3%
UT Austin Dell Medical School	\$ 1,416,302	\$ 2,026,850	\$ 610,548	43.1%	\$ 116,516	\$ 395,644	\$ 279,128	239.6%	\$ 1,532,818	\$ 2,422,494	\$ 889,676	58.0%
UT Rio Grande Valley School of Medicine	\$ 2,314,285	\$ 2,024,134	\$ (290,151)	-12.5%	\$ 10,021	\$ 77,278	\$ 67,257	671.2%	\$ 2,324,306	\$ 2,101,412	\$ (222,894)	-9.6%
INFRASTRUCTURE SUBTOTAL	\$ 250,103,102	\$ 250,600,622	\$ 497,520	0.2%	\$ 17,473,344	\$ 20,737,554	\$ 3,264,210	18.7%	\$ 267,576,446	\$ 271,338,176	\$ 3,761,730	1.4%

Health Related Institutions
2020-21 House Bill 1 as Introduced Compared to 2018-19 Appropriated

HRI Appendix 1

Research

UT Southwestern Medical Center
UT Medical Branch at Galveston
UT Health Science Center at Houston
UT Health Science Center at San Antonio
UT M.D. Anderson Cancer Center
UT Health Science Center at Tyler
Texas A&M University Health Science Center
UNT Health Science Center
Texas Tech University Health Sciences Center
Texas Tech University Health Sciences Center at El Paso
UT Austin Dell Medical School
UT Rio Grande Valley School of Medicine

Formula General Revenue 2018-19	Formula General Revenue 2020-21	Formula GR Difference	% GR Variance Biennium
\$ 12,858,218	\$ 13,396,518	\$ 538,300	4.2%
\$ 6,198,636	\$ 6,306,256	\$ 107,620	1.7%
\$ 8,007,644	\$ 8,227,904	\$ 220,260	2.8%
\$ 6,739,750	\$ 6,647,600	\$ (92,150)	-1.4%
\$ 21,122,758	\$ 22,334,658	\$ 1,211,900	5.7%
\$ 3,117,500	\$ 3,203,658	\$ 86,158	2.8%
\$ 5,672,114	\$ 5,227,280	\$ (444,834)	-7.8%
\$ 3,861,074	\$ 3,857,404	\$ (3,670)	-0.1%
\$ 3,752,758	\$ 3,747,770	\$ (4,988)	-0.1%
\$ 3,228,316	\$ 3,207,632	\$ (20,684)	-0.6%
\$ 2,922,484	\$ 2,901,038	\$ (21,446)	-0.7%
\$ 3,147,126	\$ 3,116,878	\$ (30,248)	-1.0%

Formula GR-D 770 2018-19	Formula GR-D 770 2020-21	Formula GR-D 770 Difference	% GR-D 770 Variance Biennium
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA

Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Total Formula All Funds Difference	% All Funds Variance Biennium
\$ 12,858,218	\$ 13,396,518	\$ 538,300	4.2%
\$ 6,198,636	\$ 6,306,256	\$ 107,620	1.7%
\$ 8,007,644	\$ 8,227,904	\$ 220,260	2.8%
\$ 6,739,750	\$ 6,647,600	\$ (92,150)	-1.4%
\$ 21,122,758	\$ 22,334,658	\$ 1,211,900	5.7%
\$ 3,117,500	\$ 3,203,658	\$ 86,158	2.8%
\$ 5,672,114	\$ 5,227,280	\$ (444,834)	-7.8%
\$ 3,861,074	\$ 3,857,404	\$ (3,670)	-0.1%
\$ 3,752,758	\$ 3,747,770	\$ (4,988)	-0.1%
\$ 3,228,316	\$ 3,207,632	\$ (20,684)	-0.6%
\$ 2,922,484	\$ 2,901,038	\$ (21,446)	-0.7%
\$ 3,147,126	\$ 3,116,878	\$ (30,248)	-1.0%

RESEARCH SUBTOTAL

\$ 80,628,378	\$ 82,174,596	\$ 1,546,218	1.9%
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\$ -	\$ -	\$ -	NA
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\$ 80,628,378	\$ 82,174,596	\$ 1,546,218	1.9%
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Three Main Formulas

UT Southwestern Medical Center
UT Medical Branch at Galveston
UT Health Science Center at Houston
UT Health Science Center at San Antonio
UT M.D. Anderson Cancer Center
UT Health Science Center at Tyler
Texas A&M University Health Science Center
UNT Health Science Center
Texas Tech University Health Sciences Center
Texas Tech University Health Sciences Center at El Paso
UT Austin Dell Medical School
UT Rio Grande Valley School of Medicine

Formula General Revenue 2018-19	Formula General Revenue 2020-21	Formula GR Difference	% GR Variance Biennium
\$ 161,018,022	\$ 159,090,240	\$ (1,927,782)	-1.2%
\$ 151,745,412	\$ 157,096,886	\$ 5,351,474	3.5%
\$ 250,341,588	\$ 254,750,106	\$ 4,408,518	1.8%
\$ 193,162,843	\$ 194,653,601	\$ 1,490,759	0.8%
\$ 90,790,611	\$ 92,736,650	\$ 1,946,039	2.1%
\$ 6,062,657	\$ 7,558,699	\$ 1,496,042	24.7%
\$ 188,979,452	\$ 185,459,736	\$ (3,519,715)	-1.9%
\$ 131,338,783	\$ 131,266,424	\$ (72,359)	-0.1%
\$ 191,465,785	\$ 200,416,576	\$ 8,950,791	4.7%
\$ 46,857,080	\$ 49,154,218	\$ 2,297,137	4.9%
\$ 8,273,062	\$ 16,448,430	\$ 8,175,369	98.8%
\$ 10,344,963	\$ 18,695,287	\$ 8,350,324	80.7%

Formula GR-D 770 2018-19	Formula GR-D 770 2020-21	Formula GR-D 770 Difference	% GR-D 770 Variance Biennium
\$ 9,594,550	\$ 10,418,842	\$ 824,292	8.6%
\$ 15,762,836	\$ 17,168,626	\$ 1,405,790	8.9%
\$ 16,169,062	\$ 21,493,084	\$ 5,324,022	32.9%
\$ 10,720,091	\$ 10,963,737	\$ 243,645	2.3%
\$ 1,571,471	\$ 1,200,862	\$ (370,609)	-23.6%
\$ 782,005	\$ 790,159	\$ 8,154	1.0%
\$ 13,912,316	\$ 14,145,656	\$ 233,339	1.7%
\$ 13,620,235	\$ 12,411,156	\$ (1,209,079)	-8.9%
\$ 12,857,001	\$ 16,549,326	\$ 3,692,325	28.7%
\$ 3,969,898	\$ 4,629,904	\$ 660,007	16.6%
\$ 664,694	\$ 2,143,164	\$ 1,478,469	222.4%
\$ 57,167	\$ 418,609	\$ 361,442	632.3%

Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Total Formula All Funds Difference	% All Funds Variance Biennium
\$ 170,612,572	\$ 169,509,082	\$ (1,103,490)	-0.6%
\$ 167,508,248	\$ 174,265,512	\$ 6,757,264	4.0%
\$ 266,510,650	\$ 276,243,190	\$ 9,732,540	3.7%
\$ 203,882,934	\$ 205,617,338	\$ 1,734,404	0.9%
\$ 92,362,082	\$ 93,937,512	\$ 1,575,430	1.7%
\$ 6,844,662	\$ 8,348,858	\$ 1,504,196	22.0%
\$ 202,891,768	\$ 199,605,392	\$ (3,286,376)	-1.6%
\$ 144,959,018	\$ 143,677,580	\$ (1,281,438)	-0.9%
\$ 204,322,786	\$ 216,965,902	\$ 12,643,116	6.2%
\$ 50,826,978	\$ 53,784,122	\$ 2,957,144	5.8%
\$ 8,937,756	\$ 18,591,594	\$ 9,653,838	108.0%
\$ 10,402,130	\$ 19,113,896	\$ 8,711,766	83.7%

THREE MAIN FORMULAS TOTAL

\$ 1,430,380,258	\$ 1,467,326,853	\$ 36,946,595	2.6%
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\$ 99,681,326	\$ 112,333,125	\$ 12,651,799	12.7%
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\$ 1,530,061,584	\$ 1,579,659,978	\$ 49,598,394	3.2%
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Health Related Institutions
2020-21 House Bill 1 as Introduced Compared to 2018-19 Appropriated

HRI Appendix 1

Graduate Medical Education

UT Southwestern Medical Center
UT Medical Branch at Galveston
UT Health Science Center at Houston
UT Health Science Center at San Antonio
UT M.D. Anderson Cancer Center
UT Health Science Center at Tyler
Texas A&M University Health Science Center
UNT Health Science Center
Texas Tech University Health Sciences Center
Texas Tech University Health Sciences Center at El Paso
UT Austin Dell Medical School
UT Rio Grande Valley School of Medicine

Formula General Revenue 2018-19	Formula General Revenue 2020-21	Formula GR Difference	% GR Variance Biennium
\$ 15,153,110	\$ 16,003,358	\$ 850,248	5.6%
\$ 6,650,596	\$ 6,382,708	\$ (267,888)	-4.0%
\$ 11,391,038	\$ 12,252,934	\$ 861,896	7.6%
\$ 8,735,460	\$ 9,073,228	\$ 337,768	3.9%
\$ 1,572,382	\$ 1,712,150	\$ 139,768	8.9%
\$ 850,252	\$ 896,840	\$ 46,588	5.5%
\$ 13,138,130	\$ 13,895,200	\$ 757,070	5.8%
\$ 4,810,326	\$ 4,717,146	\$ (93,180)	-1.9%
\$ 5,276,218	\$ 5,567,398	\$ 291,180	5.5%
\$ 2,876,878	\$ 2,993,350	\$ 116,472	4.0%
\$ 3,109,824	\$ 3,552,420	\$ 442,596	14.2%
\$ 1,153,080	\$ 1,956,742	\$ 803,662	69.7%

Formula GR-D 770 2018-19	Formula GR-D 770 2020-21	Formula GR-D 770 Difference	% GR-D 770 Variance Biennium
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA
\$ -	\$ -	\$ -	NA

Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Total Formula All Funds Difference	% All Funds Variance Biennium
\$ 15,153,110	\$ 16,003,358	\$ 850,248	5.6%
\$ 6,650,596	\$ 6,382,708	\$ (267,888)	-4.0%
\$ 11,391,038	\$ 12,252,934	\$ 861,896	7.6%
\$ 8,735,460	\$ 9,073,228	\$ 337,768	3.9%
\$ 1,572,382	\$ 1,712,150	\$ 139,768	8.9%
\$ 850,252	\$ 896,840	\$ 46,588	5.5%
\$ 13,138,130	\$ 13,895,200	\$ 757,070	5.8%
\$ 4,810,326	\$ 4,717,146	\$ (93,180)	-1.9%
\$ 5,276,218	\$ 5,567,398	\$ 291,180	5.5%
\$ 2,876,878	\$ 2,993,350	\$ 116,472	4.0%
\$ 3,109,824	\$ 3,552,420	\$ 442,596	14.2%
\$ 1,153,080	\$ 1,956,742	\$ 803,662	69.7%

HEALTH RELATED GME SUBTOTAL

\$ 74,717,294	\$ 79,003,474	\$ 4,286,180	5.7%
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\$ -	\$ -	\$ -	NA
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\$ 74,717,294	\$ 79,003,474	\$ 4,286,180	5.7%
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Baylor College of Medicine Graduate Medical Education ¹
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\$ 15,420,997	\$ 16,772,078	\$ 1,351,081	8.8%
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\$ -	\$ -	\$ -	NA
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\$ 15,420,997	\$ 16,772,078	\$ 1,351,081	8.8%
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HEALTH RELATED + BCOM GME SUBTOTAL

\$ 90,138,291	\$ 95,775,552	\$ 5,637,261	6.3%
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\$ -	\$ -	\$ -	NA
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\$ 90,138,291	\$ 95,775,552	\$ 5,637,261	6.3%
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Cancer Center Operations³

UT M.D. Anderson Cancer Center

Formula General Revenue 2018-19	Formula General Revenue 2020-21	Formula GR Difference	% GR Variance Biennium
\$ 264,801,714	\$ 272,941,294	\$ 8,139,580	3.1%

Formula GR-D 770 2018-19	Formula GR-D 770 2020-21	Formula GR-D 770 Difference	% GR-D 770 Variance Biennium
\$ -	\$ -	\$ -	NA

Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Total Formula All Funds Difference	% All Funds Variance Biennium
\$ 264,801,714	\$ 272,941,294	\$ 8,139,580	3.1%

CANCER CENTER OPERATIONS SUBTOTAL
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\$ 264,801,714	\$ 272,941,294	\$ 8,139,580	3.1%
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\$ -	\$ -	\$ -	NA
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\$ 264,801,714	\$ 272,941,294	\$ 8,139,580	3.1%
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Chest Disease Center Operations³

UT Health Science Center at Tyler

Formula General Revenue 2018-19	Formula General Revenue 2020-21	Formula GR Difference	% GR Variance Biennium
\$ 58,360,332	\$ 60,212,690	\$ 1,852,358	3.2%

Formula GR-D 770 2018-19	Formula GR-D 770 2020-21	Formula GR-D 770 Difference	% GR-D 770 Variance Biennium
\$ -	\$ -	\$ -	NA

Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Total Formula All Funds Difference	% All Funds Variance Biennium
\$ 58,360,332	\$ 60,212,690	\$ 1,852,358	3.2%

CHEST DISEASE CENTER OPERATIONS SUBTOTAL

\$ 58,360,332	\$ 60,212,690	\$ 1,852,358	3.2%
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\$ -	\$ -	\$ -	NA
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\$ 58,360,332	\$ 60,212,690	\$ 1,852,358	3.2%
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Performance Based Research Operations³

UT Southwestern Medical Center

Formula General Revenue 2018-19	Formula General Revenue 2020-21	Formula GR Difference	% GR Variance Biennium
\$ -	\$ 21,817,302	\$ 21,817,302	NA

Formula GR-D 770 2018-19	Formula GR-D 770 2020-21	Formula GR-D 770 Difference	% GR-D 770 Variance Biennium
\$ -	\$ -	\$ -	NA

Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Total Formula All Funds Difference	% All Funds Variance Biennium
\$ -	\$ 21,817,302	\$ 21,817,302	NA

PERFORMANCE BASED RESEARCH OPERATIONS SUBTOTAL

\$ -	\$ 21,817,302	\$ 21,817,302	NA
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\$ -	\$ -	\$ -	NA
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\$ -	\$ 21,817,302	\$ 21,817,302	NA
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Health Related Institutions
2020-21 House Bill 1 as Introduced Compared to 2018-19 Appropriated

HRI Appendix 1

All Formulas	Formula General Revenue 2018-19	Formula General Revenue 2020-21	Formula GR Difference	% GR Variance Biennium	Formula GR-D 770 2018-19	Formula GR-D 770 2020-21	Formula GR-D 770 Difference	% GR-D 770 Variance Biennium	Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Total Formula All Funds Difference	% All Funds Variance Biennium
UT Southwestern Medical Center	\$ 176,171,132	\$ 196,910,900	\$ 20,739,768	11.8%	\$ 9,594,550	\$ 10,418,842	\$ 824,292	8.6%	\$ 185,765,682	\$ 207,329,742	\$ 21,564,060	11.6%
UT Medical Branch at Galveston	\$ 158,396,008	\$ 163,479,594	\$ 5,083,586	3.2%	\$ 15,762,836	\$ 17,168,626	\$ 1,405,790	8.9%	\$ 174,158,844	\$ 180,648,220	\$ 6,489,376	3.7%
UT Health Science Center at Houston	\$ 261,732,626	\$ 267,003,040	\$ 5,270,414	2.0%	\$ 16,169,062	\$ 21,493,084	\$ 5,324,022	32.9%	\$ 277,901,688	\$ 288,496,124	\$ 10,594,436	3.8%
UT Health Science Center at San Antonio	\$ 201,898,303	\$ 203,726,829	\$ 1,828,527	0.9%	\$ 10,720,091	\$ 10,963,737	\$ 243,645	2.3%	\$ 212,618,394	\$ 214,690,566	\$ 2,072,172	1.0%
UT M.D. Anderson Cancer Center	\$ 357,164,707	\$ 367,390,094	\$ 10,225,387	2.9%	\$ 1,571,471	\$ 1,200,862	\$ (370,609)	-23.6%	\$ 358,736,178	\$ 368,590,956	\$ 9,854,778	2.7%
UT Health Science Center at Tyler	\$ 65,273,241	\$ 68,668,229	\$ 3,394,988	5.2%	\$ 782,005	\$ 790,159	\$ 8,154	1.0%	\$ 66,055,246	\$ 69,458,388	\$ 3,403,142	5.2%
Texas A&M University Health Science Center	\$ 202,117,582	\$ 199,354,936	\$ (2,762,645)	-1.4%	\$ 13,912,316	\$ 14,145,656	\$ 233,339	1.7%	\$ 216,029,898	\$ 213,500,592	\$ (2,529,306)	-1.2%
UNT Health Science Center	\$ 136,149,109	\$ 135,983,570	\$ (165,539)	-0.1%	\$ 13,620,235	\$ 12,411,156	\$ (1,209,079)	-8.9%	\$ 149,769,344	\$ 148,394,726	\$ (1,374,618)	-0.9%
Texas Tech University Health Sciences Center	\$ 196,742,003	\$ 205,983,974	\$ 9,241,971	4.7%	\$ 12,857,001	\$ 16,549,326	\$ 3,692,325	28.7%	\$ 209,599,004	\$ 222,533,300	\$ 12,934,296	6.2%
Texas Tech University Health Sciences Center at El Paso	\$ 49,733,958	\$ 52,147,568	\$ 2,413,609	4.9%	\$ 3,969,898	\$ 4,629,904	\$ 660,007	16.6%	\$ 53,703,856	\$ 56,777,472	\$ 3,073,616	5.7%
UT Austin Dell Medical School	\$ 11,382,886	\$ 20,000,850	\$ 8,617,965	75.7%	\$ 664,694	\$ 2,143,164	\$ 1,478,469	222.4%	\$ 12,047,580	\$ 22,144,014	\$ 10,096,434	83.8%
UT Rio Grande Valley School of Medicine	\$ 11,498,043	\$ 20,652,029	\$ 9,153,986	79.6%	\$ 57,167	\$ 418,609	\$ 361,442	632.3%	\$ 11,555,210	\$ 21,070,638	\$ 9,515,428	82.3%
HEALTH RELATED TOTAL	\$ 1,828,259,598	\$ 1,901,301,613	\$ 73,042,015	4.0%	\$ 99,681,326	\$ 112,333,125	\$ 12,651,799	12.7%	\$ 1,927,940,924	\$ 2,013,634,738	\$ 85,693,814	4.4%
Baylor College of Medicine ¹	\$ 91,512,971	\$ 89,149,891	\$ (2,363,080)	-2.6%	\$ -	\$ -	\$ -	NA	\$ 91,512,971	\$ 89,149,891	\$ (2,363,080)	-2.6%
HEALTH RELATED + BCOM TOTAL	\$ 1,919,772,569	\$ 1,990,451,504	\$ 70,678,935	3.7%	\$ 99,681,326	\$ 112,333,125	\$ 12,651,799	12.7%	\$ 2,019,453,895	\$ 2,102,784,629	\$ 83,330,734	4.1%

¹ Appropriations for Baylor College of Medicine are provided through the Higher Education Coordinating Board bill pattern. Undergraduate medical education formula amounts are generally based off formula amounts for UT Southwestern and UTMB.

² Data elements in the Infrastructure Support formula (actual square feet) and Research Enhancement Formula (research expenditures) include research conducted by faculty at a clinical partner for all institutions in the 2020-21 biennium formula allocations.

³ Special Provisions Relating only to State Agencies of Higher Education, Sec. 28, Rider 9 Mission Specific Support, limits the growth of the mission specific formulas to the average growth in funding for the health related institutions in the I&O formula.

Health Related Institutions
Total Formula Recommendations Compared to Formula Drivers
House Bill 1 as Introduced

HRI Appendix 2

Instruction and Operations	Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Formula All Funds Difference	% All Funds Variance Biennium
UT Southwestern Medical Center	\$ 107,718,106	\$ 104,949,794	\$ (2,768,312)	-2.6%
UT Medical Branch at Galveston	\$ 134,999,212	\$ 141,380,356	\$ 6,381,144	4.7%
UT Health Science Center at Houston	\$ 216,402,694	\$ 224,605,984	\$ 8,203,290	3.8%
UT Health Science Center at San Antonio	\$ 169,463,126	\$ 170,714,348	\$ 1,251,222	0.7%
UT M.D. Anderson Cancer Center	\$ 6,807,708	\$ 7,422,030	\$ 614,322	9.0%
UT Health Science Center at Tyler	\$ 1,115,926	\$ 2,387,546	\$ 1,271,620	114.0%
Texas A&M University Health Science Center	\$ 180,055,446	\$ 176,995,992	\$ (3,059,454)	-1.7%
UNT Health Science Center	\$ 131,295,508	\$ 130,644,910	\$ (650,598)	-0.5%
Texas Tech University Health Sciences Center	\$ 182,780,776	\$ 195,080,594	\$ 12,299,818	6.7%
Texas Tech University Health Sciences Center at El Paso	\$ 41,805,106	\$ 44,801,984	\$ 2,996,878	7.2%
UT Austin Dell Medical School	\$ 4,482,454	\$ 13,268,062	\$ 8,785,608	196.0%
UT Rio Grande Valley School of Medicine	\$ 4,930,698	\$ 13,895,606	\$ 8,964,908	181.8%

INSTRUCTION AND OPERATIONS SUBTOTAL	\$ 1,181,856,760	\$ 1,226,147,206	\$ 44,290,446	3.7%
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Baylor College of Medicine Undergraduate Medical Education ¹	\$ 76,091,974	\$ 72,377,813	\$ (3,714,161)	-4.9%
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INSTRUCTION AND OPERATIONS w/ BCOM SUBTOTAL	\$ 1,257,948,734	\$ 1,298,525,019	\$ 40,576,285	3.2%
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Infrastructure	Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Formula All Funds Difference	% All Funds Variance Biennium
UT Southwestern Medical Center	\$ 50,036,248	\$ 51,162,770	\$ 1,126,522	2.3%
UT Medical Branch at Galveston	\$ 26,310,400	\$ 26,578,900	\$ 268,500	1.0%
UT Health Science Center at Houston	\$ 42,100,312	\$ 43,409,302	\$ 1,308,990	3.1%
UT Health Science Center at San Antonio	\$ 27,680,058	\$ 28,255,390	\$ 575,332	2.1%
UT M.D. Anderson Cancer Center	\$ 64,431,616	\$ 64,180,824	\$ (250,792)	-0.4%
UT Health Science Center at Tyler	\$ 2,611,236	\$ 2,757,654	\$ 146,418	5.6%
Texas A&M University Health Science Center	\$ 17,164,208	\$ 17,382,120	\$ 217,912	1.3%
UNT Health Science Center	\$ 9,802,436	\$ 9,175,266	\$ (627,170)	-6.4%
Texas Tech University Health Sciences Center	\$ 17,789,252	\$ 18,137,538	\$ 348,286	2.0%
Texas Tech University Health Sciences Center at El Paso	\$ 5,793,556	\$ 5,774,506	\$ (19,050)	-0.3%
UT Austin Dell Medical School	\$ 1,532,818	\$ 2,422,494	\$ 889,676	58.0%
UT Rio Grande Valley School of Medicine	\$ 2,324,306	\$ 2,101,412	\$ (222,894)	-9.6%

INFRASTRUCTURE SUBTOTAL	\$ 267,576,446	\$ 271,338,176	\$ 3,761,730	1.4%
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Weighted FTSEs 2018-19	Weighted FTSEs 2020-21	Weighted FTSEs Difference	% WTFSEs Variance Biennium
5,711.0	5,564.2	(147)	-2.6%
7,059.5	7,495.7	436	6.2%
11,053.0	11,510.7	458	4.1%
8,879.8	9,012.9	133	1.5%
360.9	393.5	33	9.0%
22.1	54.3	32	145.9%
8,689.5	8,447.2	(242)	-2.8%
6,961.0	6,926.5	(34)	-0.5%
8,968.0	9,666.0	698	7.8%
2,216.4	2,369.0	153	6.9%
237.7	703.4	466	196.0%
261.4	736.7	475	181.8%

60,420.2	62,880.2	2,460.0	4.1%
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623.0	619.0	(4)	-0.6%
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61,043.2	63,499.2	2,456.0	4.0%
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Predicted Square Feet 2018-19	Predicted Square Feet 2020-21	Predicted Square Feet Difference	% Predicted Sq. Ft. Variance Biennium
4,097,716	4,189,973	92,257	2.3%
2,154,689	2,176,678	21,989	1.0%
3,447,803	3,555,003	107,200	3.1%
2,266,857	2,313,974	47,117	2.1%
5,276,624	5,256,086	(20,538)	-0.4%
213,847	225,838	11,991	5.6%
1,405,662	1,423,508	17,846	1.3%
802,770	751,408	(51,362)	-6.4%
1,456,850	1,485,373	28,523	2.0%
474,463	472,903	(1,560)	-0.3%
125,530	198,390	72,860	58.0%
190,349	172,095	(18,254)	-9.6%

21,913,160	22,221,229	308,069	1.4%
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Health Related Institutions
Total Formula Recommendations Compared to Formula Drivers
House Bill 1 as Introduced

HRI Appendix 2

Research	Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Formula All Funds Difference	% All Funds Variance Biennium
UT Southwestern Medical Center	\$ 12,858,218	\$ 13,396,518	\$ 538,300	4.2%
UT Medical Branch at Galveston	\$ 6,198,636	\$ 6,306,256	\$ 107,620	1.7%
UT Health Science Center at Houston	\$ 8,007,644	\$ 8,227,904	\$ 220,260	2.8%
UT Health Science Center at San Antonio	\$ 6,739,750	\$ 6,647,600	\$ (92,150)	-1.4%
UT M.D. Anderson Cancer Center	\$ 21,122,758	\$ 22,334,658	\$ 1,211,900	5.7%
UT Health Science Center at Tyler	\$ 3,117,500	\$ 3,203,658	\$ 86,158	2.8%
Texas A&M University Health Science Center	\$ 5,672,114	\$ 5,227,280	\$ (444,834)	-7.8%
UNT Health Science Center	\$ 3,861,074	\$ 3,857,404	\$ (3,670)	-0.1%
Texas Tech University Health Sciences Center	\$ 3,752,758	\$ 3,747,770	\$ (4,988)	-0.1%
Texas Tech University Health Sciences Center at El Paso	\$ 3,228,316	\$ 3,207,632	\$ (20,684)	-0.6%
UT Austin Dell Medical School	\$ 2,922,484	\$ 2,901,038	\$ (21,446)	-0.7%
UT Rio Grande Valley School of Medicine	\$ 3,147,126	\$ 3,116,878	\$ (30,248)	-1.0%
RESEARCH SUBTOTAL	\$ 80,628,378	\$ 82,174,596	\$ 1,546,218	1.9%

Research Expenditures 2018-19	Research Expenditures 2020-21	Research Expenditures Difference	% Research Exp. Variance Biennium
\$ 431,694,632	\$ 454,855,646	\$ 23,161,014	5.4%
\$ 145,155,875	\$ 149,786,313	\$ 4,630,438	3.2%
\$ 222,991,213	\$ 232,468,158	\$ 9,476,945	4.2%
\$ 168,438,125	\$ 164,473,205	\$ (3,964,920)	-2.4%
\$ 787,289,147	\$ 839,432,768	\$ 52,143,621	6.6%
\$ 12,585,256	\$ 16,292,355	\$ 3,707,099	29.5%
\$ 122,501,491	\$ 103,361,782	\$ (19,139,709)	-15.6%
\$ 44,578,672	\$ 44,420,752	\$ (157,920)	-0.4%
\$ 39,918,215	\$ 39,703,618	\$ (214,597)	-0.5%
\$ 17,353,249	\$ 16,463,357	\$ (889,892)	-5.1%
\$ 4,194,371	\$ 3,271,619	\$ (922,752)	-22.0%
\$ 13,859,937	\$ 12,558,505	\$ (1,301,432)	-9.4%
\$ 2,010,560,183	\$ 2,077,088,078	\$ 68,752,079	3.4%

Graduate Medical Education	Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Formula All Funds Difference	% All Funds Variance Biennium
UT Southwestern Medical Center	\$ 15,153,110	\$ 16,003,358	\$ 850,248	5.6%
UT Medical Branch at Galveston	\$ 6,650,596	\$ 6,382,708	\$ (267,888)	-4.0%
UT Health Science Center at Houston	\$ 11,391,038	\$ 12,252,934	\$ 861,896	7.6%
UT Health Science Center at San Antonio	\$ 8,735,460	\$ 9,073,228	\$ 337,768	3.9%
UT M.D. Anderson Cancer Center	\$ 1,572,382	\$ 1,712,150	\$ 139,768	8.9%
UT Health Science Center at Tyler	\$ 850,252	\$ 896,840	\$ 46,588	5.5%
Texas A&M University Health Science Center	\$ 13,138,130	\$ 13,895,200	\$ 757,070	5.8%
UNT Health Science Center	\$ 4,810,326	\$ 4,717,146	\$ (93,180)	-1.9%
Texas Tech University Health Sciences Center	\$ 5,276,218	\$ 5,567,398	\$ 291,180	5.5%
Texas Tech University Health Sciences Center at El Paso	\$ 2,876,878	\$ 2,993,350	\$ 116,472	4.0%
UT Austin Dell Medical School	\$ 3,109,824	\$ 3,552,420	\$ 442,596	14.2%
UT Rio Grande Valley School of Medicine	\$ 1,153,080	\$ 1,956,742	\$ 803,662	69.7%
HEALTH RELATED GME SUBTOTAL	\$ 74,717,294	\$ 79,003,474	\$ 4,286,180	5.7%
Baylor College of Medicine Graduate Medical Education ¹	\$ 15,420,997	\$ 16,772,078	\$ 1,351,081	8.8%
HEALTH RELATED + BCOM GME SUBTOTAL	\$ 90,138,291	\$ 95,775,552	\$ 5,637,261	6.3%

Medical Residents 2018-19	Medical Residents 2020-21	Medical Residents Difference	% Residents Variance Biennium
1,301	1,374	73	5.6%
571	548	(23)	-4.0%
978	1,052	74	7.6%
750	779	29	3.9%
135	147	12	8.9%
73	77	4	5.5%
1,128	1,193	65	5.8%
413	405	(8)	-1.9%
453	478	25	5.5%
247	257	10	4.0%
267	305	38	14.2%
99	168	69	69.7%
6,415	6,783	368	5.7%
1,324	1,440	116	8.8%
7,739	8,223	484	6.3%

Health Related Institutions
Total Formula Recommendations Compared to Formula Drivers
House Bill 1 as Introduced

Cancer Center Operations		Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Formula All Funds Difference	% All Funds Variance Biennium
UT M.D. Anderson Cancer Center		\$ 264,801,714	\$ 272,941,294	\$ 8,139,580	3.1%
CANCER CENTER OPERATIONS SUBTOTAL		\$ 264,801,714	\$ 272,941,294	\$ 8,139,580	3.1%
Chest Disease Center Operations		Total Formula All Funds 2018-19	Total Formula All Funds 2020-21	Formula All Funds Difference	% All Funds Variance Biennium
UT Health Science Center at Tyler		\$ 58,360,332	\$ 60,212,690	\$ 1,852,358	3.2%
CHEST DISEASE CENTER OPERATIONS SUBTOTAL		\$ 58,360,332	\$ 60,212,690	\$ 1,852,358	3.2%

TX Cancer Patients 2018-19	TX Cancer Patients 2020-21	TX Cancer Patients Difference	% TX Patients Variance Biennium
80,258	82,725	2,467	3.1%
80,258	82,725	2,467	3.1%
Chest Disease Cases ² 2018-19	Chest Disease Cases ² 2020-21	Chest Disease Cases Difference	% Cases Variance Biennium
156,364	164,268	7,904	5.1%
156,364	164,268	7,904	5.1%

¹ Appropriations for Baylor College of Medicine are provided through the Texas Higher Education Coordinating Board bill pattern and will be presented with the Texas Higher Education Coordinating Board's recommendations.

² UTHSC Tyler provides data on chest disease patients based on diagnoses codes from the International Statistical Classification of Diseases and Health Related Conditions (ICD). Since the 2016-17 biennium, a new ICD standard has been adopted that changes the way chest disease specific services are reported/coded.

Health Related Institutions **Nursing and Pharmacy Funding Overview - House**

Nursing and Pharmacy Funding Comparison. Many health professions degree programs are offered at both HRIs and GAIs, but the programs are funded at different rates by HRI and GAI formulas. The tables below compare formula funding for two of the largest health professions programs, nursing and pharmacy, by converting semester credit hours (used by the GAI formula) to full time student equivalents (used by the HRI formula) and applying the GAI and HRI rates to illustrate the funding per student in each program at GAIs compared to HRIs.

Funding for all GAI Nursing and Pharmacy Semester Credit Hours through the GAI Instruction and Operations Formula (Annual Rate I&O Rate of \$55.82)

	Total Semester Credit Hours (SCH)	Total Biennial Formula Funding (All Funds) ¹
Nursing	462,059	\$ 119,036,373
Pharmacy	56,499	\$ 38,373,682
Total	518,558	\$ 157,410,056

Funding for all GAI Nursing and Pharmacy Semester Credit Hours through the HRI Instruction and Operations Formula (Annual I&O Rate of \$9,431)

	Estimated Full Time Student Equivalents (FTSE)	Total Biennial Formula Funding (All Funds)	Difference Funding in HRI Formula
Nursing	16,499	\$ 354,140,912	\$ 235,104,539
Pharmacy	2,373	\$ 74,736,665	\$ 36,362,983
Total	18,872	\$ 428,877,577	\$ 271,467,522

Funding Comparison - Nursing and Pharmacy Programs at HRIs versus GAIs

	FTSEs/Est. FTSEs	Total Biennial Formula Funding (All Funds)	Average Funding per FTSE	Number of Institutions
HRIs				
Nursing	6,707	\$ 147,613,396	11,004	6
Pharmacy	2,428	\$ 76,479,478	15,749	3
GAIs				
Nursing	16,499	\$ 119,036,373	3,607	26
Pharmacy	2,373	\$ 38,373,682	8,087	4

¹Formula amounts are comprised of General Revenue and General Revenue-Dedicated 770 Funds. For the 2020-21 biennium, the recommended annual All Funds rate for the GAI I&O formula is \$55.82 per WSCH. For the HRI I&O formula, the recommended annual All Funds I&O rate is \$9,431 per FTSE.

²The conversion from SCHs to one estimated FTSE was done through the following methodology:

- 30 Lower Level Undergraduate SCHs equal 1 FTSE
- 20 Upper Level Undergraduate SCHs equal 1 FTSE
- 24 Master's SCHs equal 1 FTSE
- 18 Doctoral SCHs equal 1 FTSE
- 24 Professional Practice SCHs equal 1 FTSE

Health Related Institutions
Nursing and Pharmacy Funding Overview - House

HRI Appendix 3

In addition to Nursing and Pharmacy programs, there are over fifty degree programs reported to the Texas Higher Education Coordinating Board that are offered at multiple GAs and HRIs, many of which lead to degrees at the Baccalaureate, Masters, and Doctoral levels, in addition to degrees for some programs at the Associate and Professional levels.

Clinical Psychology	Advanced General Dentistry
Public Policy Analysis, General	Oral Biology and Oral and Maxillofacial Pathology
Environmental Science	Dental Public Health and Education
Biomedical Sciences, General	Endodontics/Endodontology
Biochemistry	Oral/Maxillofacial Surgery
Molecular Biology	Orthodontics/Orthodontology
Cell/Cellular and Molecular Biology	Pediatric Dentistry/Pedodontics
Microbiology, General	Periodontics/Periodontology
Molecular Genetics	Prosthodontics/Prosthodontology
Pathology/Experimental Pathology	Dental Hygiene/Hygienist
Biostatistics	Health/Health Care Administration/Management
Computational Biology	Medical Radiologic Technology/Science - Radiation Therapist
Biotechnology	Respiratory Care Therapy/Therapist
Epidemiology	Radiologic Technology/Science - Radiographer
Neuroscience	Physician Assistant
Biological and Physical Sciences	Cytotechnology/Cytotechnologist
Athletic Training/Trainer	Clinical Laboratory Science/Medical Technology/Technologist
Education/Teaching of Individuals with Hearing Impairments, Including Deafness	
Bioengineering and Biomedical Engineering	Medicine
Child Development	Community Health Services/Liaison/Counseling
Health Occupations Teacher Education	Public Health, General
Communication Sciences and Disorders, General	Environmental Health
Audiology/Audiologist	Occupational Health and Industrial Hygiene
Dentistry	Public Health Education and Promotion
Dental Clinical Sciences, General	Community Health and Preventive Medicine
Physical Therapy/Therapist	Health Services Administration
Vocational Rehabilitation Counseling/Counselor	Behavioral Aspects of Health
	Occupational Therapy/Therapist

Health Related Institutions
Instruction and Operations Formula Small Class Supplement - House

HRI Appendix 4

Institutions	Full Time Student Equivalents 2018-19	Preliminary Full Time Student Equivalents 2020-21	Difference	2018-19 Appropriations	2020-21 Allocations	Difference
UT Southwestern Medical Center	2,155	2,155	(0)	\$ -	\$ -	\$ -
UT Medical Branch at Galveston	3,394	3,712	318	\$ 923,400	\$ -	\$ (923,400)
UT Health Science Center at Houston	4,718	4,924	206	\$ 3,963,071	\$ 3,747,629	\$ (215,442)
UT Health Science Center at San Antonio	3,671	3,811	141	\$ 988,015	\$ 358,546	\$ (629,469)
UT M.D. Anderson Cancer Center	361	394	33	\$ -	\$ -	\$ -
UT Health Science Center at Tyler	19	38	19	\$ 349,750	\$ 681,797	\$ 332,047
Texas A&M University Health Science Center	3,030	3,117	87	\$ 8,078,661	\$ 8,834,223	\$ 755,562
UNT Health Science Center	2,906	2,868	(38)	\$ -	\$ -	\$ -
Texas Tech University Health Sciences Center	5,383	5,863	480	\$ 6,815,448	\$ 6,382,344	\$ (433,104)
Texas Tech University Health Sciences Center at El Paso	650	764	114	\$ -	\$ 59,100	\$ 59,100
UT Austin Dell Medical School	50	148	98	\$ -	\$ -	\$ -
UT Rio Grande Valley School of Medicine	55	155	100	\$ -	\$ -	\$ -
TOTAL:	26,392	27,949	1,557	\$ 21,118,345	\$ 20,063,639	\$ (1,054,706)



TEXAS A&M UNIVERSITY
Health Science Center

House Appropriations Committee Testimony
February 19, 2019

Carrie L. Byington, MD
Vice Chancellor for Health Services, The Texas A&M University System
Senior Vice President, Texas A&M University Health Science Center
The Jean and Thomas McMullin Professor and Dean, Texas A&M College of Medicine

Texas A&M Health Science Center's legislative requests are grounded on our land grant mission and support our 3 pillars: rural population health; military health; and innovation through engineering.

1. INCREASED FORMULA FUNDING RATES

Our top priority is an increase in formula funding rates to help maintain 2018-19 funding levels at the HSC to support the continued provision of quality student education. In House Bill 1, General Revenue formula funding is reduced by \$2.8 million.

2. CONTINUE LEVEL FUNDING OF EXISTING NON FORMULA SUPPORT ITEMS

The non formula support items for the HSC provide stability and sustainability for our educational and healthcare programs. In particular, the College of Medicine item funds faculty, clinical rotations, student services, and educational infrastructure. College of Pharmacy non formula funding enables us to serve a student population of over 40% underrepresented minorities through low tuition, superior experiential education, and low student-to-faculty ratio of 8.5:1.

3. HEALTHY TEXAS (\$10.9 million in General Revenue)

Healthy South Texas, a proven partnership between the HSC and Texas A&M AgriLife Extension, will be taken statewide as Healthy Texas. Funding will strengthen the initiative by adding opioid abuse and cancer prevention to existing successful programs in diabetes management, medication assistance, infectious disease, and asthma intervention.

Healthy South Texas (HST) Successes

- 1.2 M contacts with South Texans
- \$21.8 million in **free or low cost prescriptions** provided through medication assistance programs;
- 13,000 + individuals monitored through **diabetes self-management education**;
- 8,000 Zika prevention kits distributed;
- A study of 378 **students showed a 38% decline of families reporting a clinic/doctor visit** after HST asthma intervention

4. MENTAL HEALTH IN RURAL AND UNDERSERVED AREAS (\$3.5 million in General Revenue)

The EMPOWER (Enhancing Mental Health Practice, Organizations, and Workforce, through Education and Readiness) Project ECHO (Extension for Community Healthcare Outcomes) will establish a hub where specialists at the HSC support and strengthen the knowledge and capability of providers in rural and underserved areas to address opioid and behavioral health concerns. Additionally, the HSC will collaborate with three TAMUS institutions to create a Psychiatric Mental Health Nurse Practitioner Certificate and graduate degree program to increase the number and qualifications of specially trained mental health practitioners in the state.

DENTAL CLINIC OPERATIONS FORMULA

Jointly with the other dental schools, TAMHSC supports converting the Dental Clinical Operations line item to a formula based on patient visits for treatment provided by undergraduate dental students.

CAPITAL REQUEST: TMC3 New Construction (\$100 M TRB; \$157.5 M Total Cost)

Dental Clinic Operations	Current Funding
Texas A&M HSC	\$75,000
UTHealth Houston	\$1.3 million
UTHSC San Antonio	\$3.2 million

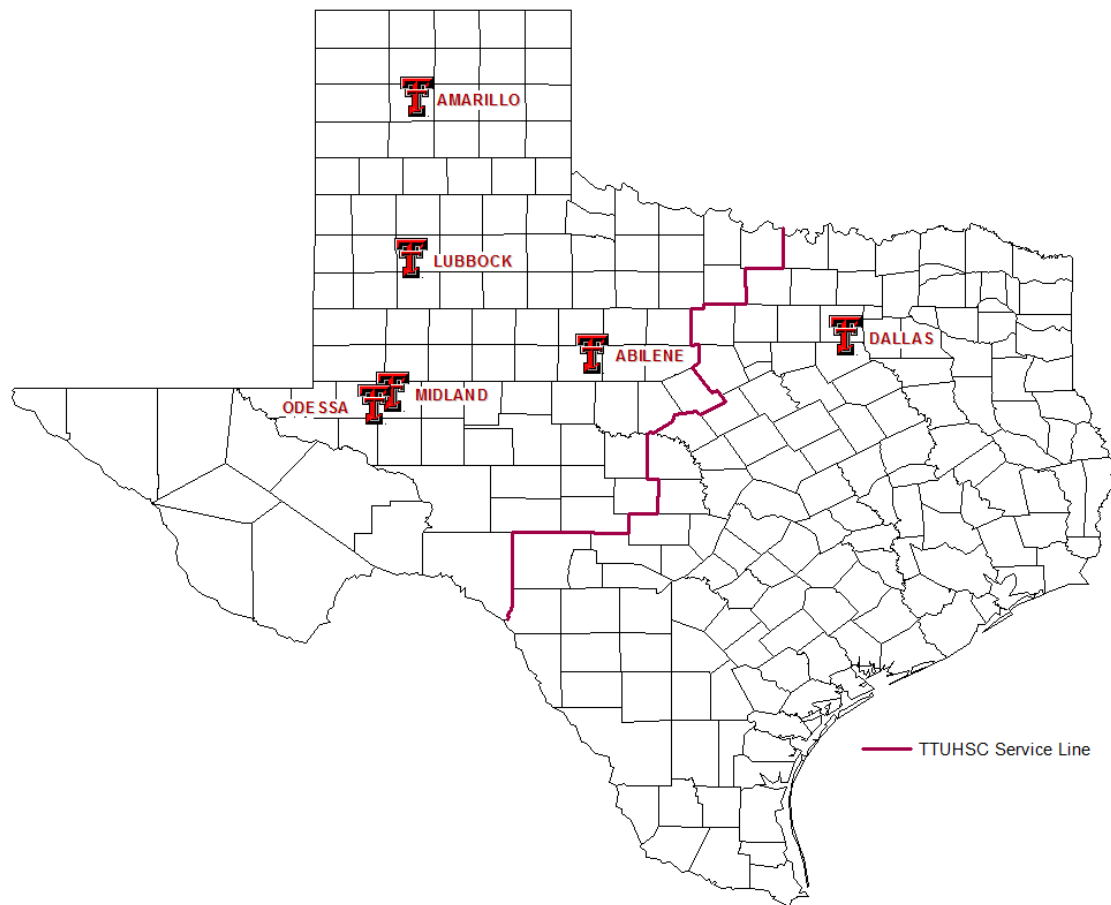


House Appropriations Committee

Tedd L. Mitchell, M.D.

President

February 19, 2019





Unique Challenges in West Texas

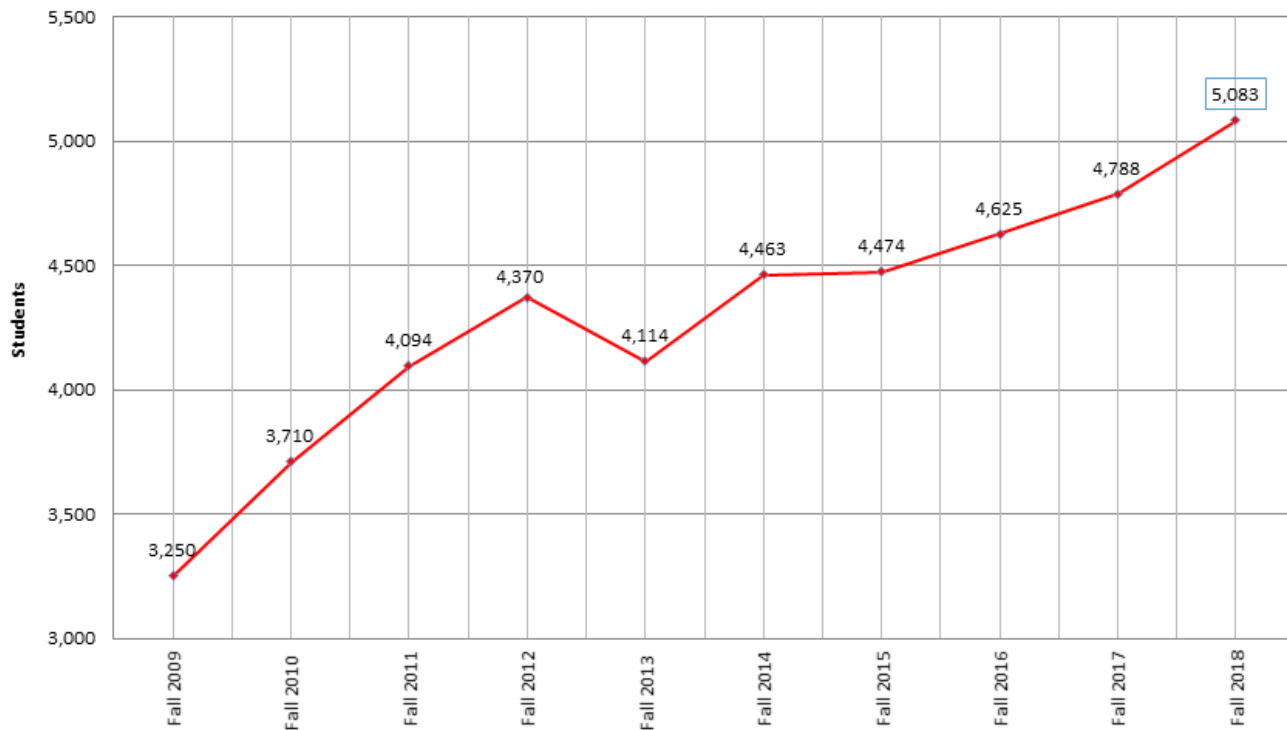
- Geographic vastness
 - 108 counties, representing approximately 50% of land mass and 11% of the state's population

- Shortage of healthcare providers
 - Out of 28 counties in Texas that have no direct patient care physician, 21 are located in West Texas

- Limited clinical sites for student training
 - 33 counties in West Texas have no hospital



TTUHSC Total Enrollment Fall 2009-2018



* TTUHSC at El Paso became a separate institution beginning in Fall 2013 and is excluded from the enrollment count from that point



Legislative Priorities

- Formula Funding
 - Instruction & Operations, Space Support, Research, Graduate Medical Education
- Non-Formula Funding
 - Educational programs – residency, pipeline for healthcare providers
 - Regional Campus Administration and Connectivity
 - Abilene, Amarillo, Dallas, Permian Basin
 - Equitable student support services at all locations – accreditation requirement
 - Telemedicine
 - Campus infrastructure and administration



Exceptional Item Request

- Texas Tech Mental Health Institute
 - FY 2020 - \$1,250,000; FY 2021 - \$1,250,000
 - Leverage strengths in education, research and service across the Texas Tech System
 - Develop a comprehensive approach to mental health care
 - Collaborate with community stakeholders
 - Utilize interdisciplinary teams to deliver whole person care and train the mental health workforce



Tuition Revenue Bond

■ Amarillo Academic and Clinic Expansion

- \$38.5 million (TRB: 34.65 million; other funds: \$3.85 million)
- Academic Building – 40,000 square feet of library and student learning services
- Clinic Building – 39,000 square feet for clinical services

YOUR LIFE

— *our purpose* —

TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER



Texas Tech University Health Sciences Center El Paso House Appropriations Subcommittee

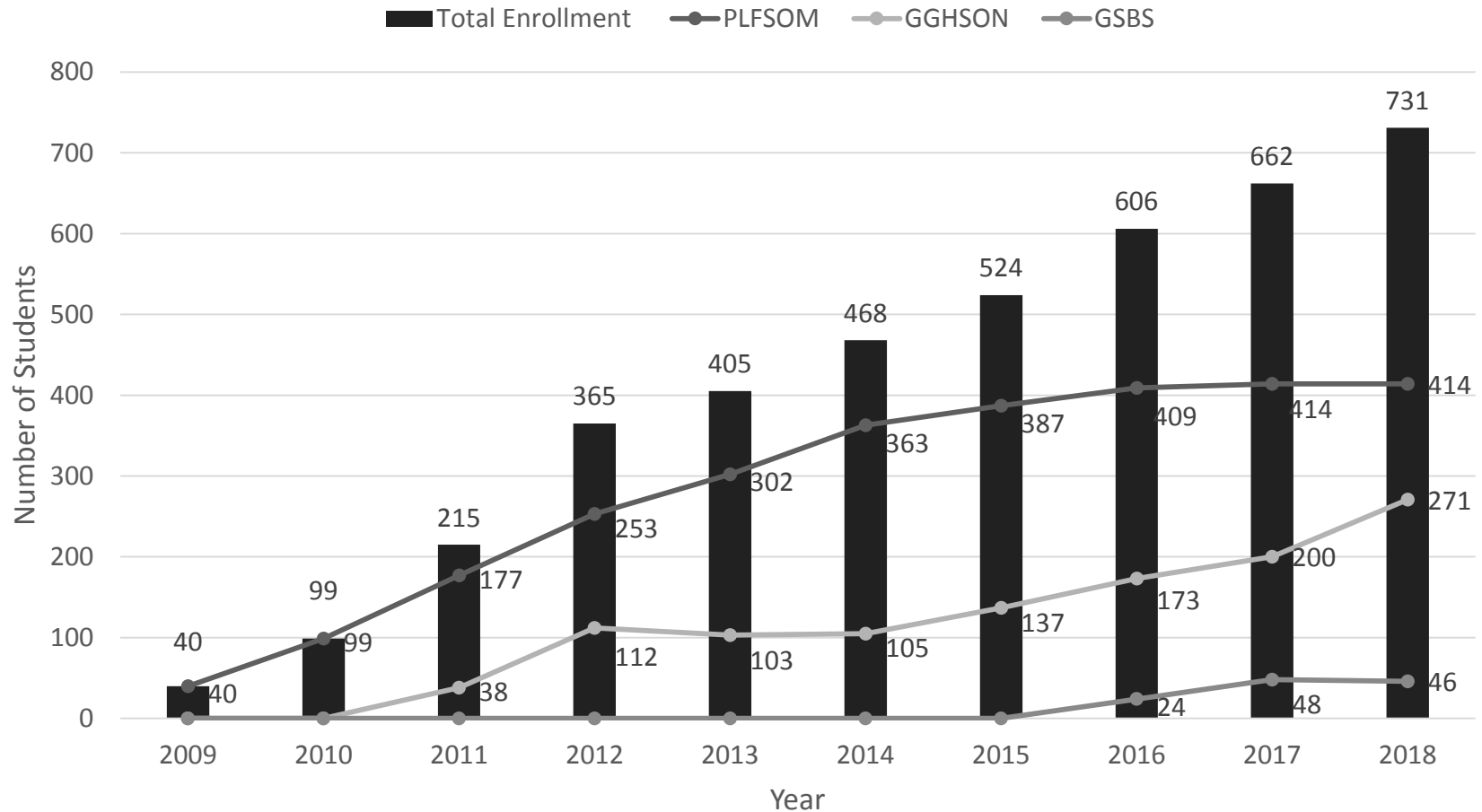


**Richard A. Lange, MD, MBA
President
February 19, 2019**

TTUHSC El Paso Overview

- ☆ Established in May 2013 by the 83rd Legislature
- ☆ Fourth and newest university in the TTU System
- ☆ Five year strategic plan calls for growth to over 1,400 students and residents
- ☆ Schools
 - Paul L. Foster School of Medicine
 - Gayle Greve Hunt School of Nursing
 - Graduate School of Biomedical Sciences
 - Woody L. Hunt School of Dental Medicine
- ☆ Clinical Departments
 - Anesthesiology, Emergency Medicine, Family Medicine, Internal Medicine, Neurology, Obstetrics & Gynecology, Orthopedic Surgery, Pathology, Pediatrics, Psychiatry, Radiology, Surgery
 - Fellowships: Cardiovascular Disease, Gastroenterology, Nephrology, Sports Medicine, Minimally Invasive Surgery, Imaging, and Child & Adolescent Psychiatry

TTUHSC El Paso Total Enrollment by School, Fall 2009-2018



Source: Fall 2009-2017, THECB CBM001 Reports; Fall 2018, Banner ODS preliminary enrollment data (09/20/2018).

Shortage of Healthcare Providers Per 100,000 population (2015)

	EL PASO	TEXAS	U.S.
PHYSICIANS	49	71	91
NURSES	669	796	844
DENTISTS	20	36	61



Dental Provider Shortage in the El Paso Region

Population to Provider Ratios, 2017 - General Dentists		
El Paso & Hudspeth Counties (West-EP) ¹	Texas ¹	U.S. ²
5,506 : 1	2,970 : 1	2,075 : 1

Sources: ¹Texas Health Institute, 2018; ²American Dental Association, Health Policy Institute, 2018

Number of Dentists per 100,000 Population, 2017			
	El Paso County ¹	Texas ¹	U.S. ²
General Dentists	20.9	36.3	48.2
All Dentists	29.7	47.1	61

Sources: ¹Texas Health and Human Services, 2017; ²American Dental Association, Health Policy Institute, 2018

Legislative Priorities

The THECB's Recommendations for the Health-Related Institutions

- Instruction and Operations – A 6.5 percent increase, or \$76.6 million (increases for projected growth and inflation)
- E&G Space Support – A 7.4 percent increase, or \$19.9 million (increases for projected growth and inflation)
- Research Enhancement – A 4.9 percent increase, or \$3.9 million (increases for projected growth and inflation)
- Mission Specific – A 6.5 percent increase, or \$20.9 million (increases for projected growth and inflation) Graduate Medical Education – A 33.3 percent increase, or \$24.9 million (increases for projected growth, inflation, and an additional \$18 million)
- The THECB's recommendation to include an additional \$18 million for Graduate Medical Education will help the state work toward reaching a ratio for the number of first-year graduate medical education positions related to the number of medical school graduates in the state of at least 1.1 to 1.

Formula Funding Base Rates

2000-01 Biennium to 2020-21 Base Bills

Biennium	Formula Base Rates - HRIs
2000-01	\$ 11,383
2002-03	\$ 11,776 *
2004-05	\$ 9,934
2006-07	\$ 10,987
2008-10	\$ 10,841
2010-11	\$ 11,129
2012-13	\$ 8,429
2014-15	\$ 9,527
2016-17	\$ 9,829
2018-19	\$ 9,431
2020-21	\$ 9,431

*Largest Rate

Adjusted for Inflation **
\$ 11,383
\$ 11,838
\$ 12,312
\$ 12,804
\$ 13,316
\$ 13,849
\$ 14,403
\$ 14,979
\$ 15,578
\$ 16,202
\$ 16,850

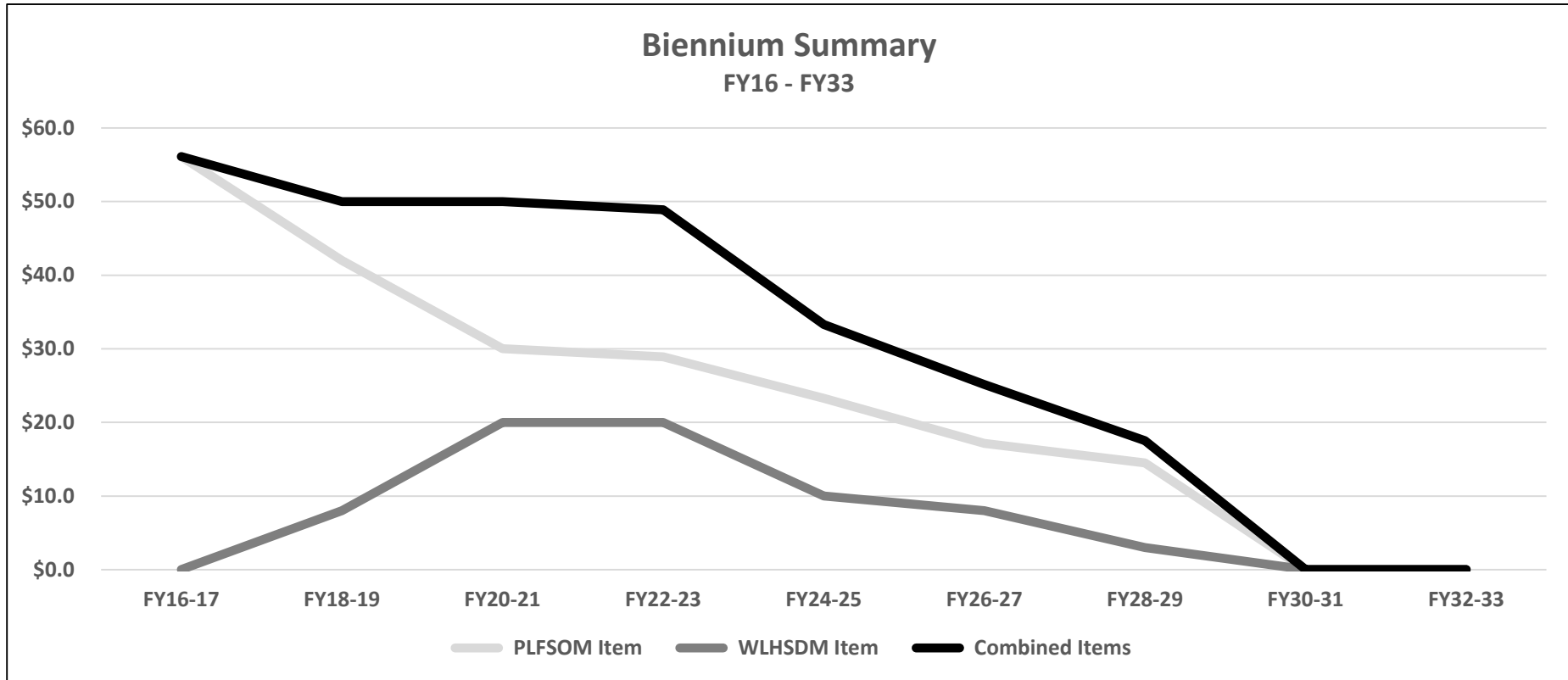
**Increase of 4.0 % per year

Non-Formula Funding

1. TTUHSC EP's LAR request is correctly reflected in HB 1
 - Retention of the Paul L. Foster School of Medicine (PLFSOM) non-formula line at \$30 million for the continued support of TTHUSC EP growth
 - *Paul L. Foster School of Medicine*
 - *Gayle Greve Hunt School of Nursing*
 - *Graduate School of Biomedical Sciences*
 - *Graduate Medical Education Programs*
 - Allocate \$20 million of the PLFSOM non-formula line for the proposed Woody L. Hunt School of Dental Medicine (WLDSDM)
 - FY 2020 - \$10,000,000; FY 2021 - \$10,000,000

3. Tuition Revenue Bond

TTUHSC El Paso Non-formula Funding



Your investment in TTUHSC EP.....

- Established new health science center in far West Texas (2013)
 - Medical School
 - Nursing School
 - Graduate School
 - Dental School (proposed)
- Leveraged >\$105 million community support
- Meeting the needs of El Paso and West Texas
 - Providing much needed health care
 - Economic engine (\$223 million local economic impact annually)
 - Workforce (11% of civilian workforce is health-care related)



TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER™
EL PASO

House Appropriations Subcommittee on Article III

The future of medicine, today.

UTSouthwestern
Medical Center

UT Southwestern Medical Center:

Progress since 85th Session & Legislative Priorities for 86th Session

Daniel K. Podolsky, M.D.
President

February 19, 2019

Meeting the Mission

Promoting health
and a healthy
society
that enables
achievement of
full human
potential.



EDUCATE



DISCOVER



HEAL

Progress Since 85th Session

Striving for excellence in education, research and patient care

■ Education & Training

- ✓ Medical school ranked by *U.S. News & World Report* 26th in Research and 19th in Primary Care
- ✓ ~1,400 Residents – training almost 1 in 5 doctors in Texas – including newly created GME positions in Pediatric and Forensic Psychiatry
- ✓ ~2,300 Ph.D. students & post-docs, remains largest scientist training program in state

■ Research

- ✓ Ranked #1 in the world for publishing high-quality research and #5 globally in published research that drives patent applications, by Nature Index
- ✓ Second faculty member won a Breakthrough Prize

■ Patient Care

- ✓ Clements University Hospital – opened December 2014
 - Ranked #1 hospital in DFW and #2 in Texas since 2016
 - At capacity since opening, prompting institutionally-funded groundbreaking of 3rd tower 8 years ahead of projections
- ✓ Extending needed specialty care through Rural Psychiatry residency track

Progress Since 85th Session

Research: Driving medical discovery and economy

On market or in development:

- Discovery of corrective technique for Duchenne Muscular Dystrophy
- Agent that could improve vaccine efficacy by activating innate immune system
- First anti-obesity drug approved by the FDA in 15 years
- Two new cholesterol-controlling drugs approved by FDA in Summer 2015
- Technology to induce spinal nerve cell development that could reverse injury
- Chemicals that induce cardiac scar cells to repair damage caused by heart attack/failure, still the #1 killer in the U.S.
- New kidney cancer drug in clinical trials
- Groundbreaking discovery of biomarker with potential for first-ever physical diagnosis of bipolar, schizophrenia, psychosis and other mental disorders
- Alzheimer's drug targeting abnormal protein growth onset to begin trials

Top Legislative Priority:

Sufficient, predictable State support to maintain and foster operations

■ **Long-Term Solution: Performance Based Research Ops Formula**

THANK YOU for the opportunity in HB 1 to convert UTSW's Hold Harmless appropriation of \$21.8M to seed a performance formula, with:

- No impact on other institutions' funding
- Formula metrics TBD with the Legislature
- No increase requested this biennium – future increases based on performance

■ **Short-Term Mechanism: Exceptional Item Requests**

- Until a long-term UTSW formula can deliver sufficient funding – Non-Formula Support is only mechanism for maintaining and augmenting core operations funding

Short-term: Exceptional Item #1

Center for Gene Therapy & Curative Medicine

- Gene therapy holds the promise of delivering a “forever fix,” rather than simply treating the symptoms of chronic and currently incurable diseases
- UTSW recognizes the potential and already recruited a national leader in gene therapy to establish a center and a rare Viral Vector Production Facility – only one of its kind in Texas and the U.S. – to accelerate the development of therapeutics
- Starting with ~7,000 rare conditions that typically afflict children, and eventually more complex diseases such as Alzheimer’s

Request: \$18M/biennium to seed proof-of-concept research to capitalize on efforts to date and propel Texas to be a leader in this new medical frontier

Short-term: Exceptional Item #2

Texas Center for Advanced Radiation Therapy (TCART)

- With 1 of 2 NCI planning grants awarded to develop the country's first Heavy Ion Research & Treatment Facility, UTSW is in a national race to bring the most precise, potent form of radiation therapy to cancer patients in the U.S.
- Significant planning progress to date – technical and architectural design greatly developed, secured FY18 federal omnibus budget intent to establish a center, and enabled competitive projects by members of the Texas research consortium to advance the technology
- Total project cost of \$170M to construct and equip the Heavy Ion facility

Request: \$9M/biennium more to capitalize on Texas' advantage in securing this national priority

Joint Tuition Revenue Bond Request

UTSW and UTD Translational Biomedical Engineering & Science Bldg.

- Recent advances have shown the potential of previously unimaginable bioengineering approaches – such as tissue engineering, organ fabrication, and neuroprosthesis – to restore function to damaged tissues and organs
- Joint UTD/UTSW effort leverages research strengths in basic and applied biomedical and engineering sciences
- Missing a facility to connect engineers and scientists with physicians and patients, accelerating medical technologies and training and education for students

Request: \$10.4M/biennium debt service to construct a \$120M state-of-the-art bioengineering facility to improve patient care and biotech in Texas

THANK YOU

House Appropriations Article III Subcommittee Budget Hearing

UTMB: Defining the Future of Health Care

David L. Callender, MD, MBA
President

The University of Texas Medical Branch
February 19, 2019

A Historic Resource for Texas

- State's first academic health center (1891)
- Ashbel Smith (Old Red) stands as oldest medical school building in the state
- 29,000 living alumni; 21,000 in Texas
- The Sealy & Smith Foundation largest benefactor



UTMB at a Glance

- \$2.3B annual budget
- 13,200 employees statewide
- 4 schools: 3,400 students, 970 faculty
- Groundbreaking research, global impact
- Four campuses
 - 85-acre Galveston Campus, 90 buildings
 - 65-acre League City Campus, two buildings and master plan
 - 40-acre Angleton Danbury Campus, six buildings
 - Clear Lake Campus opens spring 2019; hospital + leased clinic space in adjacent office building
- Statewide economic impact: over **\$3.3 billion in business volume**, over **\$2 billion in personal income** for Texas residents, and a total of **46,242 jobs** from both direct and indirect UTMB employment



During a Typical Day at UTMB

- We educate 3,400 students
- We invest \$342,000 in research
- We deliver 17 babies
- We see 98 patients go home from our hospitals
- We provide care to 3,190 patients in our primary & specialty care outpatient clinics
- We receive 343 job applications
- We provide 26,384 health care encounters to offenders in Texas prisons (medical, dental, mental health, nursing)



Training the Health Care Workforce

- Schools of Medicine, Nursing, Health Professions, Graduate Biomedical Sciences
- Enrollments increased 44 percent since 2008
- More than 1,200 new health professionals graduate each year
- Currently training 611 MD residents
- National leader in student diversity
- Leader in health professions education featuring interprofessional training with focus on problem-based, small-group learning; early exposure to clinical experiences
- New 168,000-square-foot Health Education Center opens summer 2019
 - \$90.4 million facility: \$67.8 from Tuition Revenue Bonds and \$22.4 in philanthropy



Expanding Biomedical Knowledge

- \$126M in research expenditures
- A leader in translating scientific discovery into better treatments for patients
- Excellence in infectious diseases/vaccines, asthma, burns, aging-related chronic diseases (neurodegenerative diseases, cancer, heart disease)
- Home to only national BSL4 laboratory in Texas; one of world's largest university-based vaccine-development centers
- Recent breakthroughs in Ebola, Zika, glioblastoma, Alzheimer's, regenerative medicine and more



Caring for a Growing Patient Population

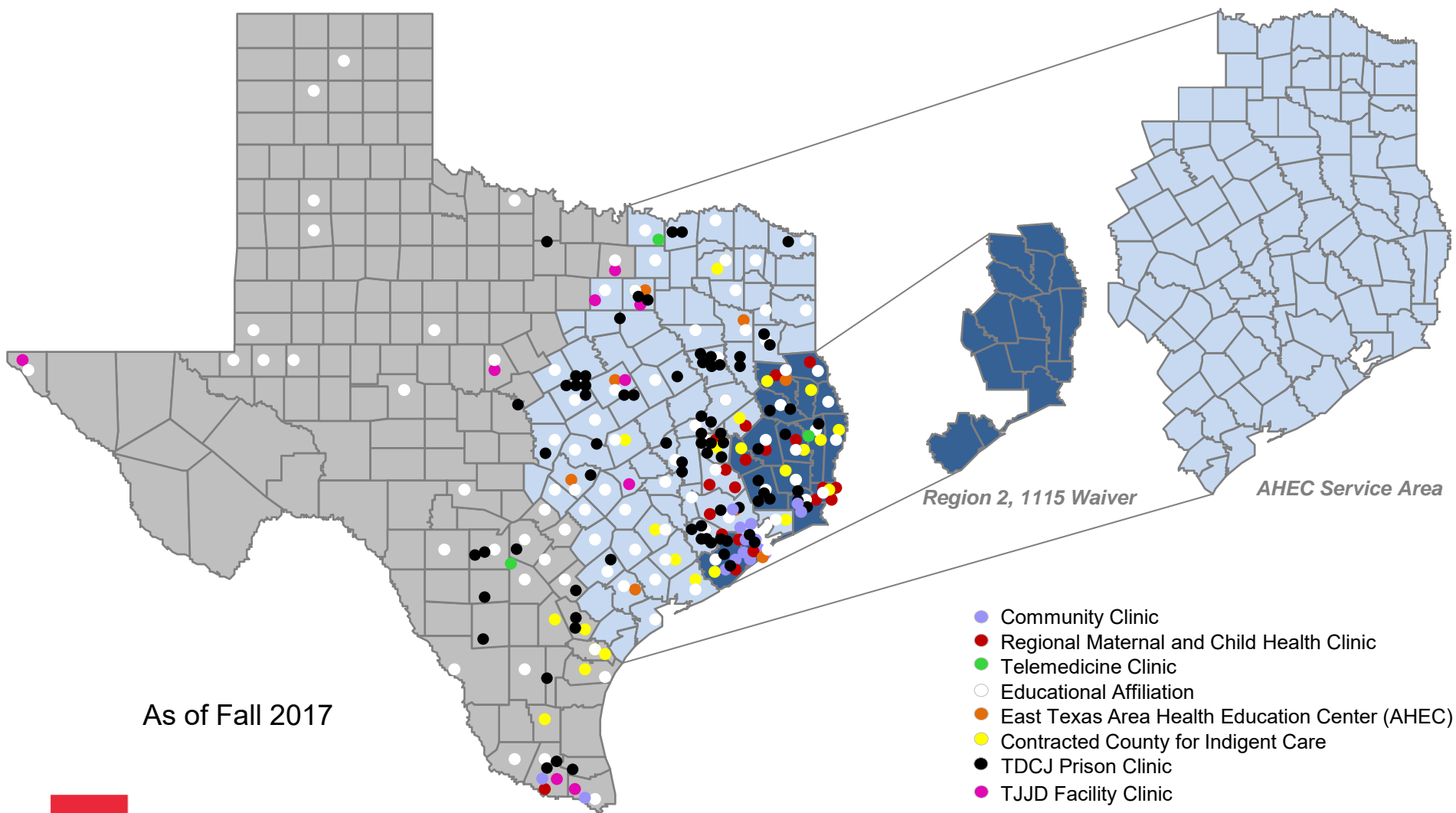
- More than 1.1 million outpatient encounters in FY18; up 47 percent since 2014
- 35,578 hospital discharges; up 33 percent since 2014
- Excellence in women's and children's health, geriatrics, ENT, burn care, diabetes, metabolic disorders and neurological diseases
- Continued focus on population health and chronic disease management
- Level I Trauma Center (Galveston Campus); 1 of 3 serving patients of all ages in Southeast Texas
- Extensive outpatient network (90 clinics at 50 locations)
- Leader in Quality and Safety: 2018 Vizient Quality and Accountability Study ranked UTMB 4th, out of 99 academic health science centers



UTMB's Regional Impact

- Offers Level 1 trauma care to 1.25 million people in 9-county service area; includes burn center and disaster response expertise
- Expands health and behavioral health services in 16 counties with Medicaid 1115 Waiver partners
- Serves more than 100,000 low-income women and children from 80 counties through Regional Maternal & Child Health Clinics in 17 East Texas, Southeast Texas and Valley counties
- Helps Texas meet criminal justice obligations by providing health care to 80% of TDCJ population and all youth in TJJD facilities
- Collaborating with MD Anderson Cancer Center on League City Campus to provide increased cancer treatment services in region
- New Clear Lake Campus will provide needed bed capacity and enable expansion of training and research missions

Statewide Health Care Resource



Planning for the Future



Jennie Sealy Hospital opened spring 2016



Angleton Danbury Campus expanding access



Clear Lake Campus extends education, research & academic programs



Planned League City Campus South Tower



John Sealy Hospital: renovating facade & interior

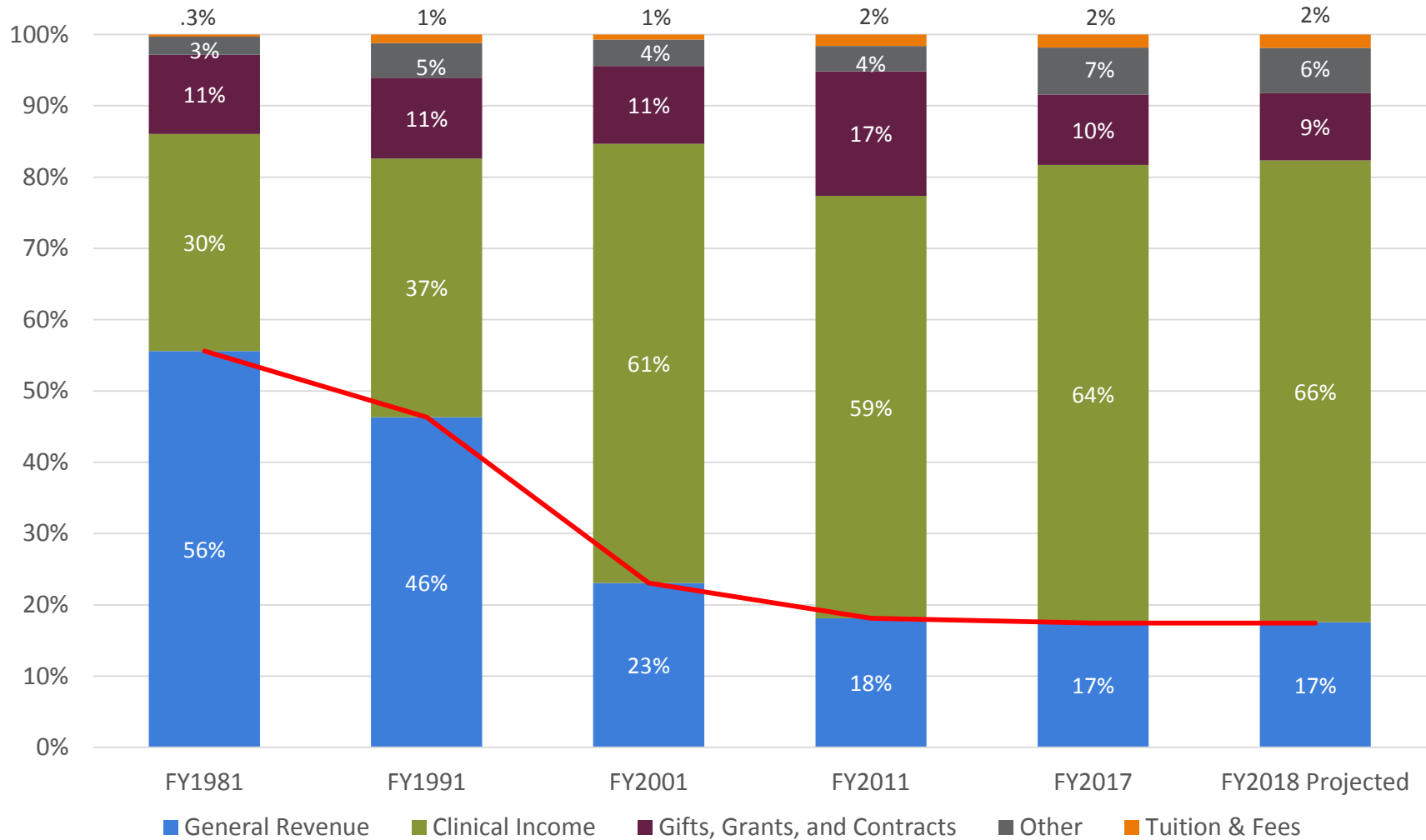
Priorities for 86th Legislative Session

- Thank you for hold harmless funding
- Conversion of existing health system funding to a hospital formula to provide future stability
- Restoration of remaining cuts (\$11M) from the 85th Legislative Session
- Increases in formula funding to two-thirds of 00/01 rates to cover educational, infrastructure and research costs
- \$157M TRB for multi-use building at UTMB's League City Campus to provide space for instruction, research, clinics and other support functions
- Sustained reimbursement for correctional care services provided to TDCJ inmates at UTMB including repairs to Hospital Galveston

Hospital Formula

- UTMB has a statutorily-based mission to operate a hospital and health care system
- UTMB seeks to convert its existing hospital funding into a formula to create accountability
- UTMB is not requesting increased funding for the health system
- Proposed formula would be based on the number of trauma, primary care, diabetes, heart, psychiatry and telemedicine patients served in Texas
- In FY 2018, more than 885,000 of UTMB's 1.2 million patient encounters were in the proposed categories; more than 700,000 were for primary care
- Formula could be created as a pilot project for FY20/21

UTMB Revenue Trend



SOURCE: UTMB Annual Financial Reports and Forecast

Thank you for all you do for
UTMB's students,
patients, faculty, staff and
the communities we serve.

LEGISLATIVE APPROPRIATIONS REQUEST

FISCAL YEARS 2020-2021

Presented to

**Texas House Appropriations Committee
Subcommittee on Article III**

Giuseppe N. Colasurdo, M.D.

President

February 19, 2019

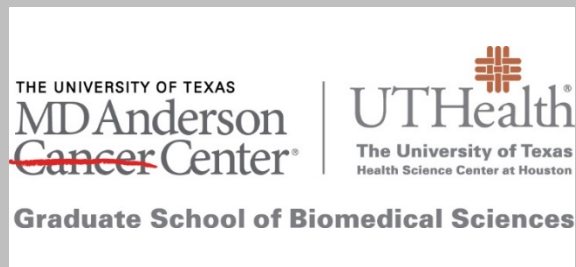


UTHealth: 16,000 people



Medicine

- 6th largest in the US
- One of the nation's best teaching hospitals
- Safety net for Harris County
- HCPC – “MD Anderson for Behavioral Health”



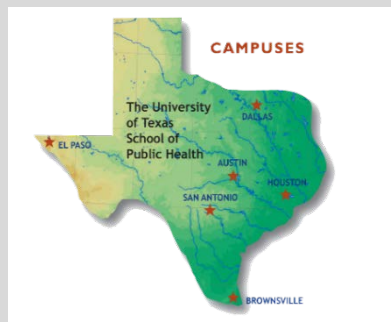
Biomedical Sciences

- Jointly-run with UT MD Anderson Cancer Center
- Highly-ranked programs including cancer biology, genetic counseling, neurosciences



Nursing

- Top 5% nationally
- Addressing Texas' nursing workforce shortage
- Dean search underway



Public Health

- Fourth largest in the U.S.
- Campuses across Texas
- NIH All of Us Research Program



Dentistry

- World class education
- First dental school in Texas
- Student Clinic cared for more than 67,000 low income patient visits

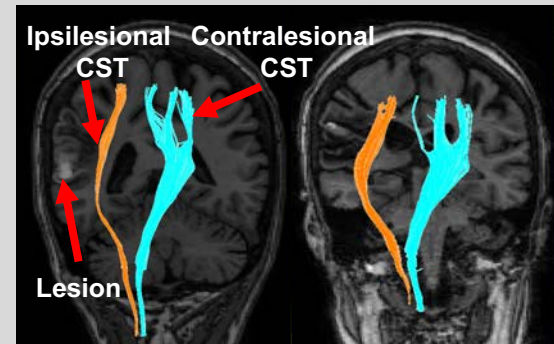


Biomedical Informatics

- Only school in the nation – IT and AI
- One of four National Centers for Strategic Health IT Advanced Research Projects (SHARP)
- Talent wars/new grants for Texas

Legislative Appropriations Priorities

- Formula Funding for Texas HRIs
- Women's Health Education and Research Center
- TRB Support for Joint UTHealth-MDACC Research Building
- Children's Learning Institute Restoration of Funds
- Create a Dental Clinical Operations Formula
- Increase Formula Weight for Biomedical Informatics to 1.75
- Psychiatry and Behavioral Sciences



Legislative Appropriations Priorities

Formula Funding for Texas HRIs

Formula Funding. The THECB HRI Formula Advisory Committee recommendation to gradually restore HRIs to 2000-2001 funding rates is important to health education in Texas, our health care workforce, and biomedical discovery. HB 1 funds growth, but does not keep HRIs on track to 2000-2001 funding rates

THECB HRI Formula Advisory Committee (HRIFAC) Recommendations (Statewide)

Fiscal Years:	2000-2001	FY18-19 FY20-21*	(% Cut from FY16-17)	HRIFAC FY2020-21	HRIFAC Request \$
I&O:	\$11,383	\$9,431	(-4.1%)	\$10,731	+\$222.7 m
Infrastruct:	\$11.18	\$6.11	(-8.1%)	\$9.49	+\$171.7 m
Research:	2.85%	1.16%	(-5.7%)	2.29%	+\$50.2 m
GME:	n/a	\$5,824	(-7.1%)	\$6,653	<u>+\$16.9 m</u>
					<u>+\$461.6 m</u>

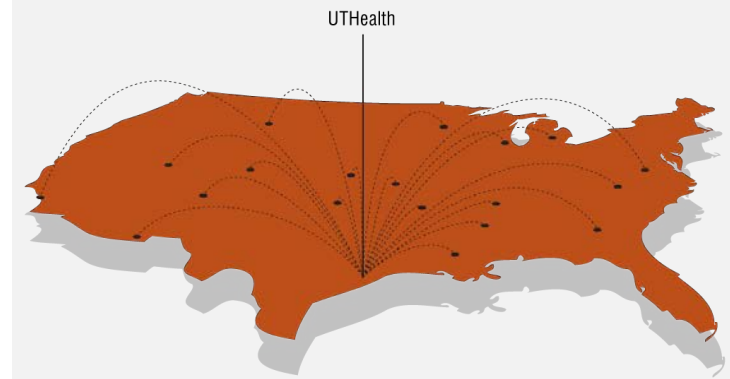
Note: *HB 1 generally carries the same rates as this biennium for FY20-21
 Research formula is a base of \$1,412,500 + % of research expenditures
 THECB Formula Recommendations are 2/3s the way back to 2000-2001 levels, plus restoring last session formula cuts, and funding predicted growth.

Legislative Appropriations Priorities

Women's Health Education and Research Center

To address the unique health issues of women, UTHealth proposes an Article III exceptional item of \$9 million per year for the UTHealth Women's Health Education and Research Center

- UTHealth is a national leader in service line structures (trauma, neurosciences) – we believe the women of Texas deserve more-coordinated and higher-quality care delivery
- Study, identify, and implement evidence-based strategies to improve maternal care and outcomes and maximize the quality and cost-effectiveness of care
- Multi-school collaboration leveraging relationships within the TMC, state agencies, and other higher education institutions



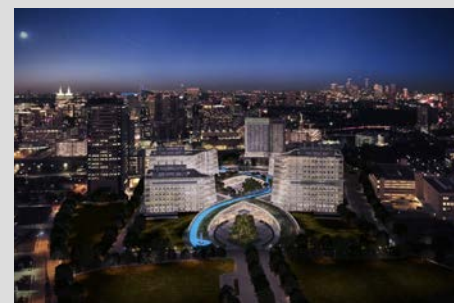
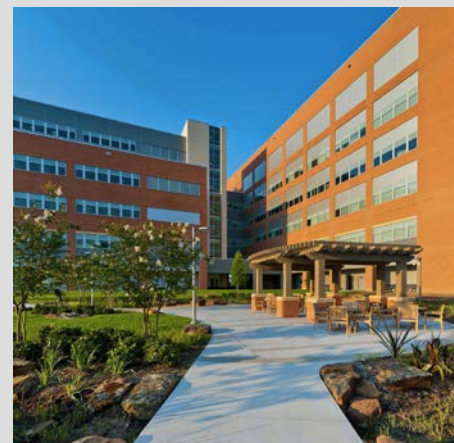
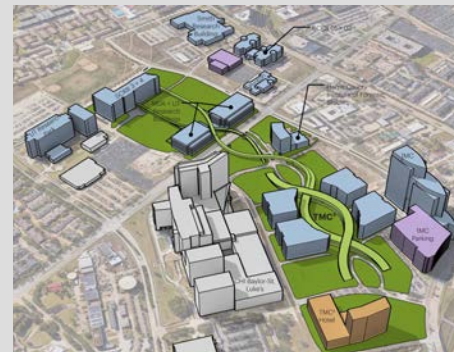
UTHealth maternal fetal medicine faculty members treat patients referred from 33 states



Legislative Appropriations Priorities

TRB Support for Joint UTHealth-MDACC Research Building

- Part of the new TMC3 campus – a collaborative project between UTHealth, MDACC, BCM, Texas A&M HSC and TMC
- Will be home to groundbreaking collaborative programs between UTHealth and MDACC
- Research to include:
 - Prevention and cures: cancer, neurosciences, cardiovascular, aging, behavioral health, women's health
 - Innovative health care delivery: access, quality/safety, value, cost
- \$200M requested TRB for \$511 million, 692,750 square foot research building
- Debt service of \$8.72 million per year



Legislative Appropriations Priorities

Children's Learning Institute Restoration of Funds

- The Children's Learning Institute's Texas School Ready! Program provides professional development and evidence-based early childhood development innovation
- TSR now reaches 928 ISDs and charter schools, nearly 20,000 teachers and almost 250,000 at-risk children - up from 2014 (2,565 teachers and 48,097 students)
- CLI's funding in TEA Rider 42 was cut in half last session - **request at least restoration of the funding back to \$7 million with the goal of returning to original funding of \$15 million**
- CLI, TEA and TWC, are exploring innovative early childhood education programs with additional funding



CHILDREN'S
LEARNING
INSTITUTE



Legislative Appropriations Priorities

Create a Dental Clinical Operations Formula

To create a new funding mechanism for university-owned dental clinics based on the number of patient visits to students. This funding will support dental training and affordable dental care for underserved communities.

- Supported by all three state dental schools
- Funding will support clinical training for students and help ensure dental care remains affordable for underserved patients
- \$45 per patient visit to undergraduate dental students
- Cost to State: \$12m biennium in addition to current funding
- Current line item:
 - UTHHealth – Houston \$1.28M
 - UTHHealth – San Antonio \$3.16M
 - TAMHSC – Dallas \$0.07M

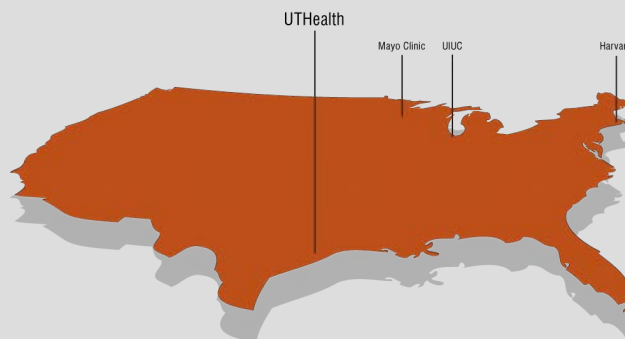
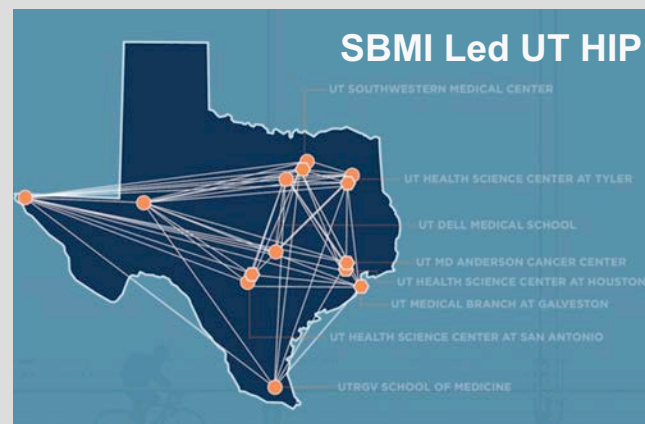


Legislative Appropriations Priorities

Increase Formula Weight for Biomedical Informatics to 1.75

“Big Data is the oil wealth of the 21st Century. No company or society can move forward without it.” – Eric Schmidt, executive chairman of Google’s parent company, Alphabet

- To assist in the development of Biomedical Informatics, Big Data, Artificial Intelligence, and related industries in Texas, **HB 1 changes the I&O formula weight from 1.0 to 1.75 – THANK YOU**
- THECB HRI Formula Advisory Committee recommended the new biomedical informatics weight, concluding that **“the low formula funding weight puts Texas at a disadvantage in the international competition for biomedical informatics faculty and students”**



Article II

Psychiatry and Behavioral Sciences

Increase in Bed Rate at HCPC, New Child Sex Trafficking Victims Unit, Design of the New Continuum of Care Campus, Mental Health Research and GME

- UTHHealth is working with the Child Sex Trafficking Victims' Office to:
 - Dedicate an inpatient unit to these victims
 - Provide outpatient treatment through the Trauma and Resiliency Center
 - Research, Workforce Development and assistance to other communities
 - **\$12.7 million/biennium**
- **Increase Existing Bed Rate per Day by Adding \$882,248 per year to HCPC to fund costs**
- Architect's Design of the UTHHealth Continuum of Care Campus
- Research and GME Important for MD Anderson of Mental Health





Appendix

Educating Texas' Health Care Workforce

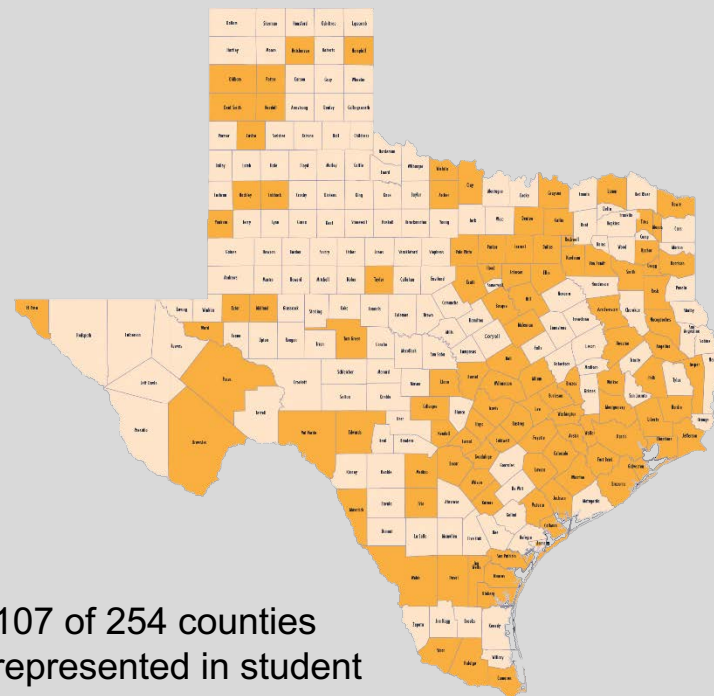
UTHealth has graduated more than 45,000 health care workers to date. Together, all UT System HRIs have graduated almost 150,000 students. UTHealth graduates rank among the lowest in the country for student debt.

UTHealth Graduates to Date by School

- School of Biomedical Informatics*: 2,463
- School of Dentistry: 11,567
- MDACC/UTHealth Graduate School of Biomedical Sciences: 2,900
- McGovern Medical School: 7,887
- Cizik School of Nursing: 12,022
- School of Public Health: 8,464
- TOTAL: 45,303

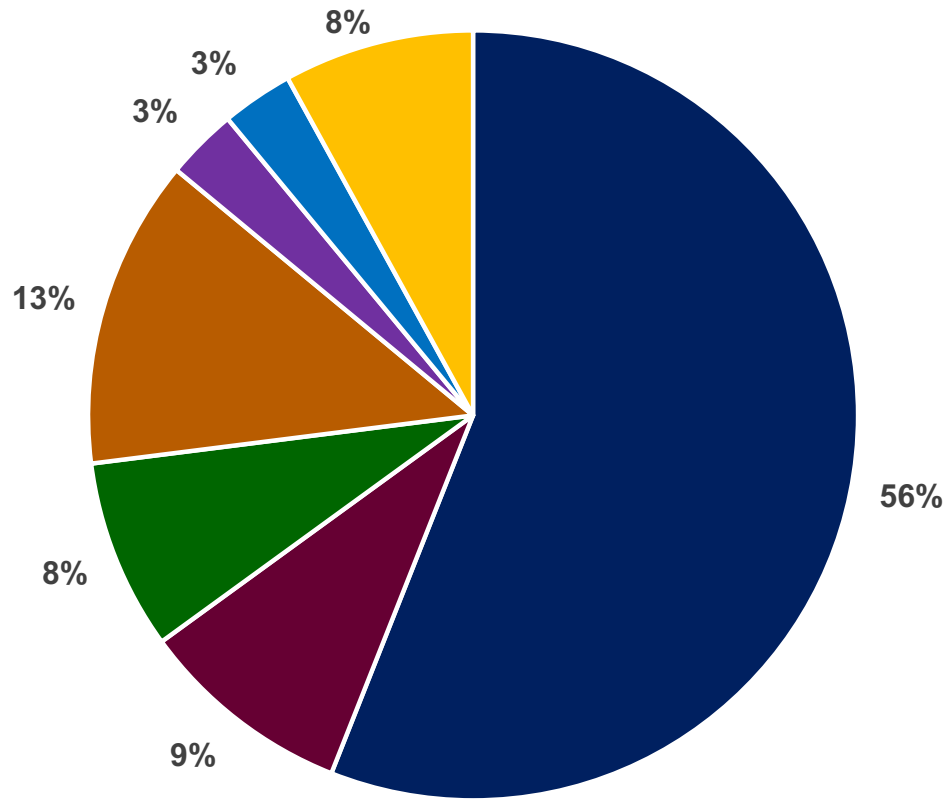
**Previously the School of Allied Health Sciences and the School of Health Information Sciences*

UTHealth Enrollment by County



About UTHealth

UTHealth Revenues By Source FY18



■ Practice Plan & Hospital

■ Federal Grants and Contracts

■ Other Grants and Contracts

■ Government and Parent Support

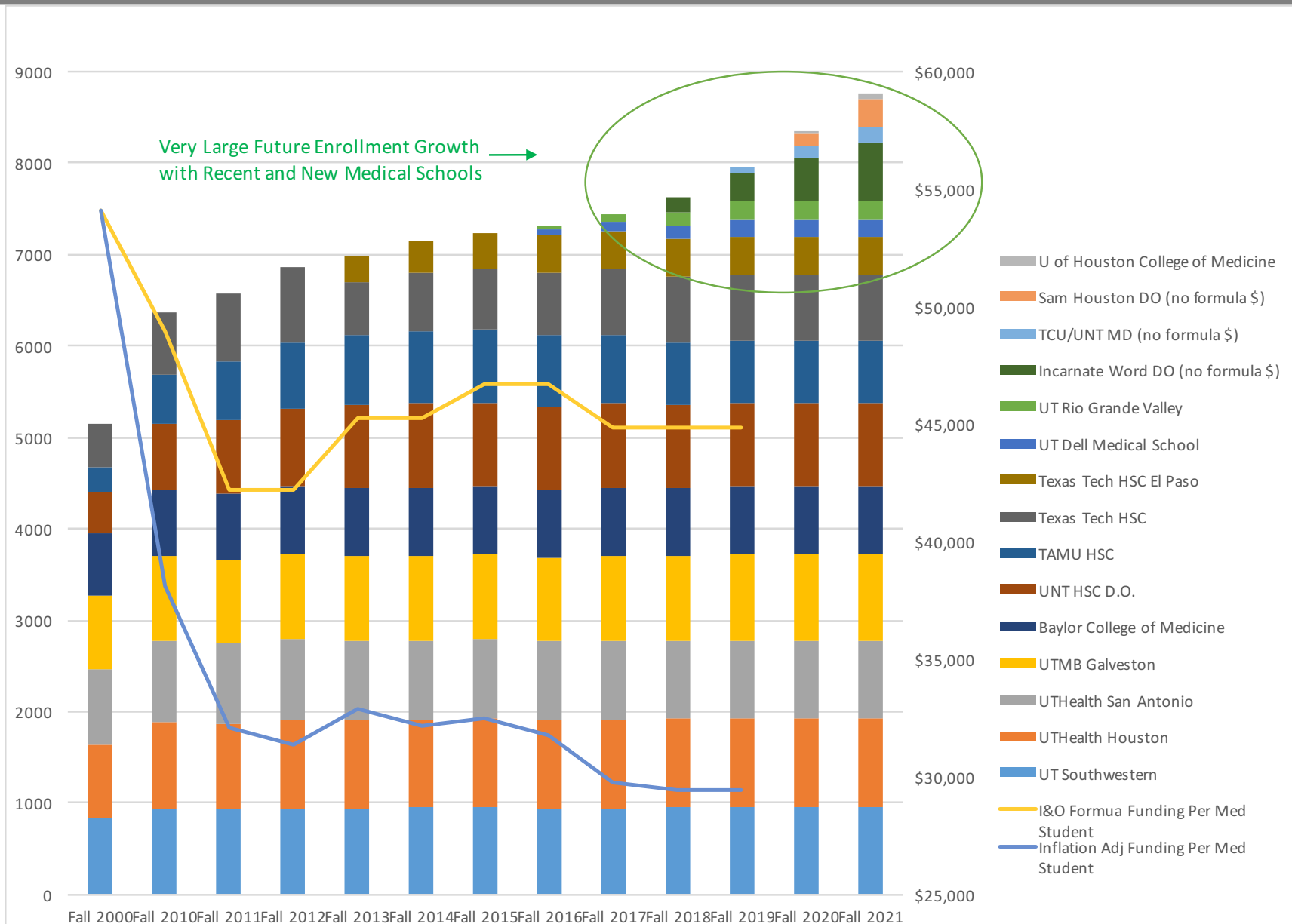
■ Gifts and Endowment

■ Tuition and Fees

■ Miscellaneous Sources

Texas Medical School Enrollment

By 2021, Predicted 70% Increase in Enrollment Since 2000



Education: Our Primary Mission

“...The physician shortage is real, it’s significant, and the nation must begin to train more doctors now if patients are going to be able to receive the care they need when they need it in the near future.” - Darrell G. Kirch, MD, AAMC

PHYSICIAN TO POPULATION RATIO IN TEXAS

State	Population increase since 1990 (millions)	Physician increase since 1990 (thousands)	Physician Population per 100,000 1990	Physician Population per 100,000 Today	Today’s Rank of Physicians per 100,000	Med School Graduate Retention Rank	GME in State Retention Rank	Med School + GME Retention Rank
California	9.8 (33%)	26 (32%)	272	270	19	1	1	2
Florida	8.0 (62%)	22 (68%)	251	260	24	9	4	5
Illinois	1.4 (12%)	10 (37%)	229	281	16	35	18	33
Massachusetts	0.8 (14%)	9 (39%)	364	444	1	36	27	36
Mississippi	0.4 (16%)	2 (50%)	144	186	50	4	13	10
New York	1.9 (10%)	11 (19%)	339	365	3	27	25	35
Ohio	0.8 (7%)	11 (46%)	213	290	14	21	30	24
Pennsylvania	0.9 (8%)	10 (31%)	256	312	8	34	35	39
Texas	11.3 (67%)	30 (94%)	188	219	41	2	5	4

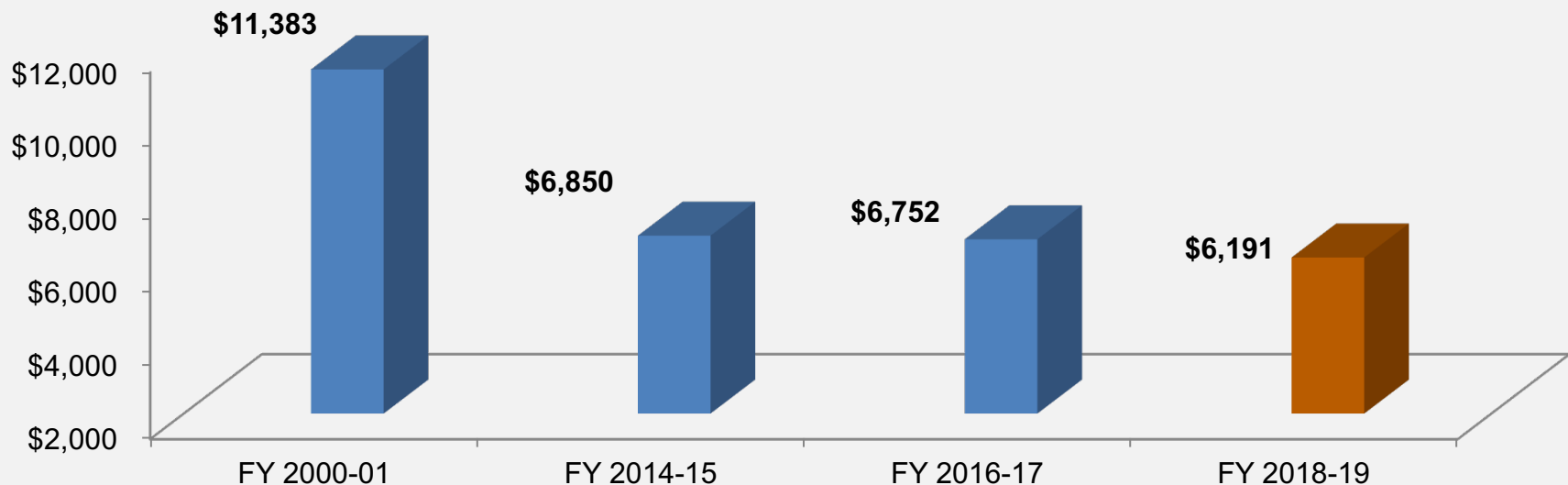
Texas Medical Schools rank 2nd among states in keeping their graduates, but Texas still ranks 41st in physician to population ratio due to population increases

Formula Funding for HRIs

55 Cents on the Dollar

“Given the cuts in per unit formula funding in recent biennia, institutions face the difficult task of maintaining quality programs and expanding programs to address these critical shortages and limitations [health care workforce].” THECB HRI Formula Advisory Committee, THECB Approved on December 15, 2017.

*EFFECTIVE LEVELS OF HRIS' PER STUDENT I&O FORMULA FUNDING
FY 2000-01 THROUGH FY 2018-19*



Lowest tuition in the U.S. coupled with the massive decline in formula funding will compromise our higher education system.



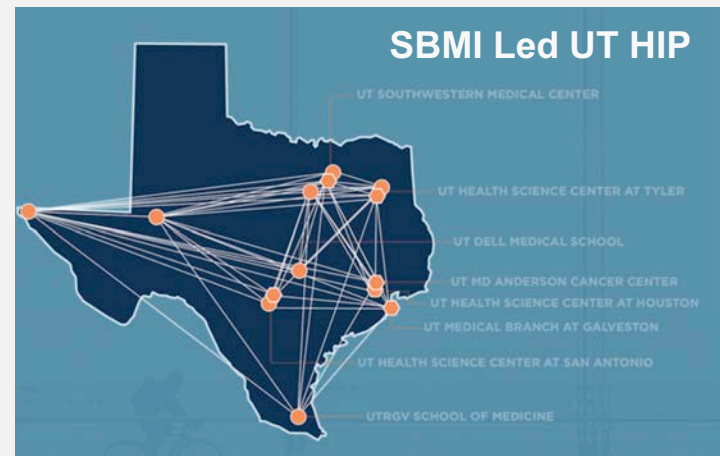
Non Formula Items

Non Formula Item

Biomedical Informatics Research

Recruit the nation's top scientists in biomedical informatics and health data sciences and lead the Big Data economy by converting data into meaningful information and knowledge to support health care and biomedical discoveries

- Created the Center for Precision Medicine jointly with School of Public Health with faculty recruited from Vanderbilt
- Created the Center for Computational Systems Medicine
- Created the Center for Data Security and Phenotyping
- Created the Center for Data Science and Informatics Core for Cancer Research
- Leads UT HIP (Health Information Platform) to network all UT Health Campuses
- The \$3.2M item cut last session by 8.8%, request restoration of the funding

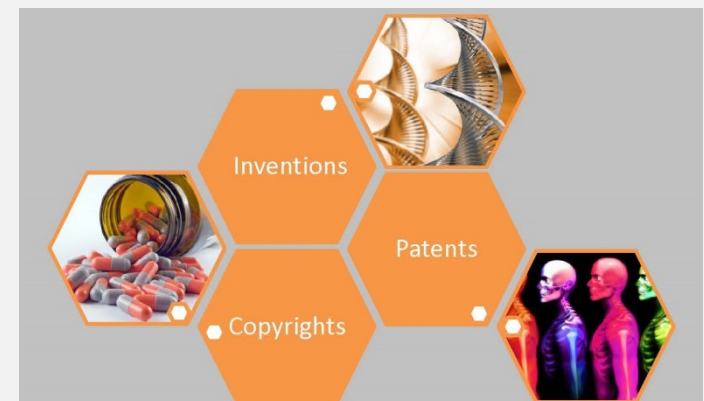


Non Formula Item

Biotechnology Program

Promote the formation of cross-disciplinary projects related to biotechnology innovation, the creation of public-private partnerships and the commercialization of UTHHealth biotechnology research and discovery

- 498 license or option agreements, 1,725 patent applications filed and 48 portfolio startup companies founded since this special item was funded in 2002
- Four new start up companies this past year alone
- New Office of Strategic Industry Initiatives has executed 25 industry collaborative agreements
- UTHHealth Biotechnology Commercialization Center incubator – nine current tenant companies and 25 companies have used the incubator
- The \$1.52M item cut last session by 8.8%, request restoration of the funding



Non Formula Item

Harris County Hospital District

Provide much-needed health care to underserved patients in Harris County—where one million residents are uninsured and an additional 500,000 residents are underinsured—and support medical education efforts at Lyndon B. Johnson General Hospital (LBJ)

- LBJ is Texas's Busiest Level III Trauma Center
- Important training ground for primary and specialty care
- Faculty have participated in 124 research studies in HCHD facilities
- Per the Thompson-Reuters Solucient database, LBJ operates with lower mortality, fewer complications, and lower cost than comparative hospitals
- The \$6.6M item cut last session by 8.8%, request restoration of the funding



Non Formula Item

Heart Disease and Stroke

Apply new techniques of genomic and proteomic research to advance the understanding of the causes, treatments and cures of common and complex diseases including cardiovascular diseases, stroke and neurodegenerative diseases

- Identified genes and gene mutations, including those that predispose patients to stroke
- Recruited/retained more than 50 faculty members
- Developed or enhanced nine research centers, including:
 - Texas Therapeutics Institute
 - Centers for Proteomics and Systems Biology
 - Center for Regenerative Medicine
- The \$8.36M item cut last session by 8.8%, request restoration of the funding



Non Formula Item

Improving Public Health in Texas Communities

Address Texas' critical health and public safety needs and reduce the incidence of poor health outcomes through population health programs aimed at preventing injury and disease, reducing health hazards, preparing for disasters and promoting health lifestyles

- School of Public Health has six campuses across Texas
- Due to collaborations, SPH has more MD/MPH than any school in the nation
- Significant response to Hurricane Harvey public health threats
- SPH faculty are part of a team to secure a \$500M federal contract to identify the genetic and biologic underpinnings of heart, blood and lung diseases
- The \$7m item was cut last session by 13.6%, request restoration of the funding

HOUSTON★CHRONICLE

Houston geneticist makes heart-risk discovery

Kinks in DNA increase risk of heart disease in whites
To a Houston geneticist who's devoted his life to the quest, the finding is a boon



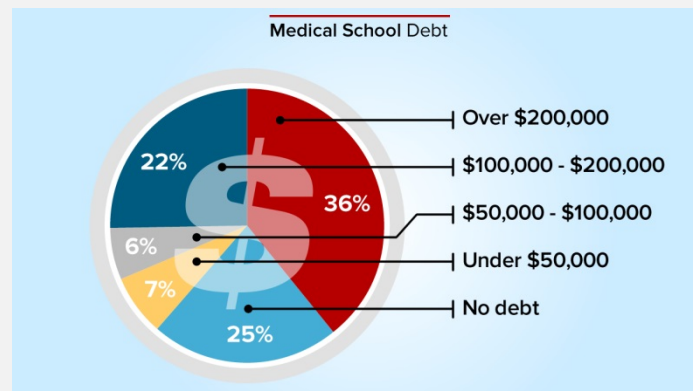
Non Formula Item

Institutional Enhancement

Supports the core mission of health related institutions across the state by funding leading edge and innovative research and education programs

- Provides significant funding for student services, academic programs, research infrastructure support and other critical needs
- Help UTHealth's six schools maintain some of the lowest tuition and student debt rates in the country – McGovern Medical School is one of the nation's 10 most affordable medical schools for in-state students*
- The \$1.2M item was cut last session by 4%, request restoration of the funding

*Source: U.S. News and World Report



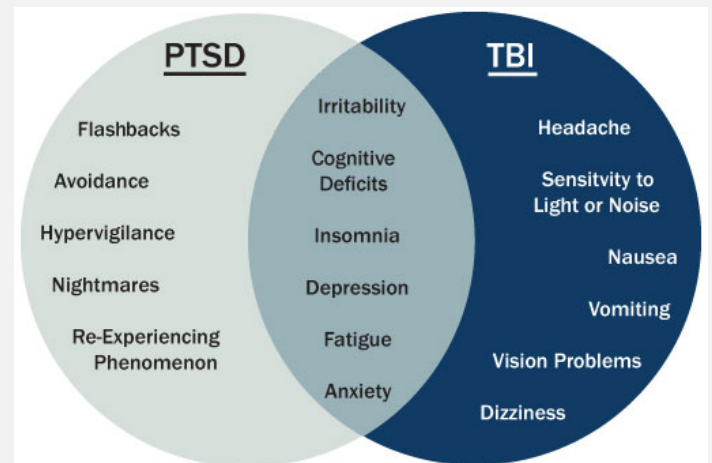
HOUSTON★CHRONICLE
HoustonChronicle.com

Non Formula Item

Integrated PTSD Care and Research

This special item will support integrated mental health services to veterans and others with Post Traumatic Stress Disorder (PTSD) and a longitudinal research study involving different care practices and novel treatments and therapies

- No evidence-based interventions for PTSD with co-occurring disorders exist (80 percent of PTSD patients have at least one co-occurring psychiatric diagnosis)
- Trauma is often associated with military combat and veteran populations, but also storm survivors (Harvey), sex trafficking victims
- HB 3404 by Rep. Senfronia Thompson established the item in the 84th Session
- UTHHealth will coordinate with HHSC
- Created the UTHHealth Trauma and Resiliency Center

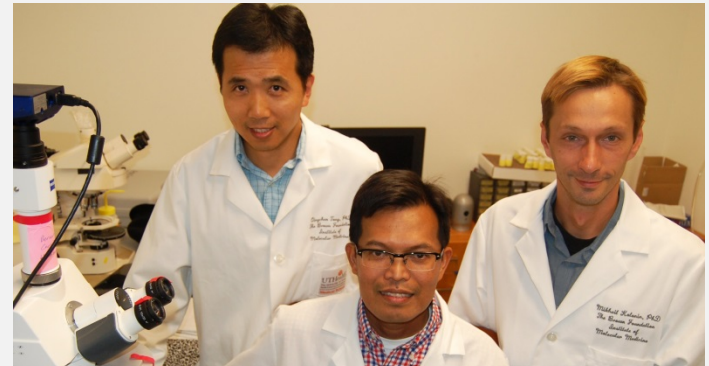


Non Formula Item

Molecular and Precision Health Research

Recruit leading researchers to advance understanding of the causes, treatments and cures of common and complex diseases including cardiovascular disease and stroke, neurodegenerative diseases, lung disease, cancer, autoimmune diseases and metabolic disorders (Formerly World's Greatest Scientists)

- 50 leading faculty members recruited from prestigious institutions around the country
- Nine Research Centers
- Important discoveries include a common gene variant associated with aortic dissection, a set of protein biomarkers that can identify pre-term false labor, and completion of the world's first genome-wide analyses of diabetes, coronary artery disease and hypertension
- The \$3.8M item cut last session by 8.8%, request restoration of the funding



UTHealth researchers Qingchun Tong, Ph.D., Alexes Daquinag, Ph.D., and Mikhail Kolonin, Ph.D. are working on the origins of metabolic disease



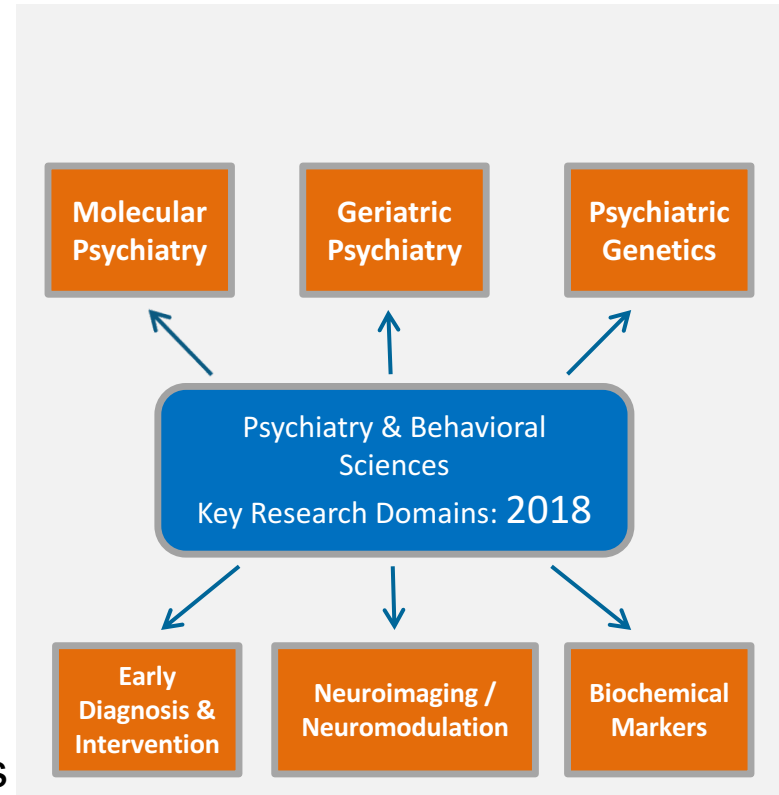
UTHealth's Zhiqiang An, Ph.D., center front, was recently awarded \$5.3 million to fast-track anticancer antibody research

Non Formula Item

Psychiatry and Behavioral Sciences Research

Expand clinical research and intervention to better serve our community, and improve identification and treatment of individuals with mental illnesses
Conduct evidence-based research with long-term patient follow-up in order to validate and refine treatment protocols

- Recruited 22 clinician/scientist faculty, 17 post docs and six research coordinators
- 811 articles and 52 grants awarded
- Pioneering research in deep brain stimulation and psychiatric genetics and innovative programs in trauma/grief and diagnosis and treatment of psychosis
- Established numerous new programs including:
 - Early Psychosis Research Program
 - fMRI Laboratory
 - Psychologists Intervention Research Program for Mood Spectrum Disorders
 - Center for Molecular Psychiatry

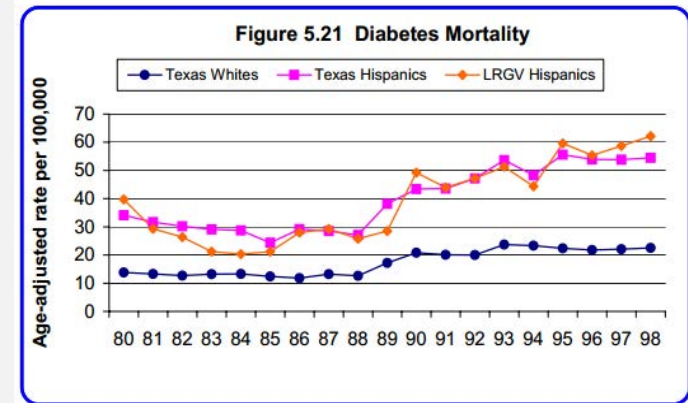


Non Formula Item

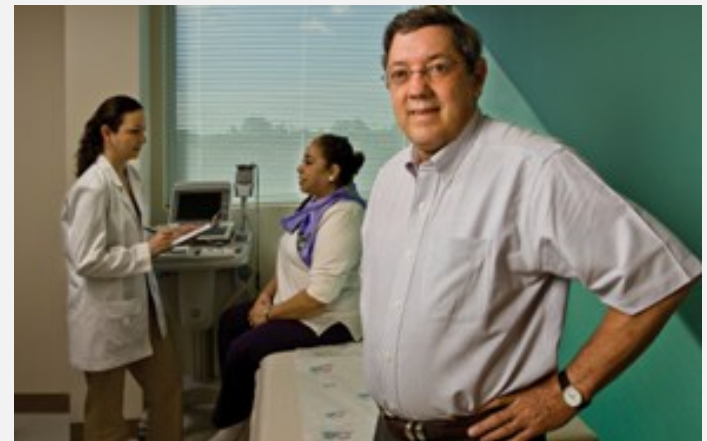
Regional Academic Health Center – Public Health

Provide population health resources to the Lower Rio Grande Valley – a region of Texas that is economically depressed with higher disease rates and fewer health care providers than the state average

- Region-wide population health research and intervention program that ranges from Brownsville to Laredo and includes three clinical research units
- Targeting region-specific health issues, including high rates of obesity and diabetes, through research and intervention programs
 - Nearly \$250M/year in lost wages due to diabetes in LRGV
 - Funding cuts will increase lost wages and health care costs (~\$8000 per patient/year)
- Integrated relationship with UT Rio Grande Valley's medical school
- The \$1.14M item was cut last session by 17.9%, request restoration of the funding



Source: Texas Department of Health, Epigram System



Non Formula Item

Service Delivery in the Valley/Border Region

Maintain successful academic programs in the Lower Rio Grande Valley/Border Region of Texas and provide this underserved population with access to educational and clinical services, including a mobile clinic

- Mobile Clinic treated 2,021 uninsured patients in 2017 and numerous well woman exams and pediatric and adult vaccinations and flu shots
- Training site for medical, public health, and nursing students – exposure to medically underserved populations
- *Frontera de salud* chapter takes quarterly outreach trips with the mobile van staff
- Conduct important research with this large and often over-looked patient population - goal of minimizing healthcare disparities
- Through telemedicine, provides patients with access to Texas Medical Center expertise at no cost
- The \$861,000 item was cut last session by 8.8%, request restoration of the funding

TMC | NEWS Mobile Medicine on the Border



HOUSTON★CHRONICLE

**Houston doctors determined to
reduce cervical cancer deaths in
Rio Grande Valley**

Non Formula Item

Trauma Care Research

Serve the Houston region and beyond by staffing the nation's busiest trauma center, Memorial Hermann-Texas Medical Center. Reduce the number of injury-related deaths statewide through the development of treatments and practices at the Center for Translational Injury Research, one of the nation's leading trauma care research centers

- Significantly increased trauma services (trauma volume up 30% in recent years)
- Decrease the diversion rate from 40% to 5%
- Reduced trauma mortality by 20% and laparotomy patient mortality by 62%
- 65 funded studies and clinical trials, published more than 700 unique manuscripts, submitted 19 invention disclosures resulting in two license agreements and one spin-off company
- Developed new treatments and procedures that are being adopted across the country, including a new protocol for tourniquet deployment that has resulted in a significant decrease in death from extremity bleeding
- The \$1 million item was cut last session by 8.8%, request restoration of the funding



HOUSTON★CHRONICLE
Police being armed with combat tourniquets





The University of Texas
Health Science Center at Houston



Robert Hromas, M.D., Dean and Professor of Medicine
Vice President for Medical Affairs, University of Texas Health San Antonio
On behalf of
William L. Henrich, M.D., MACP
President, University of Texas Health San Antonio
86th Session testimony to House Appropriations Committee
February 19, 2019

Good afternoon Chairman _____ and distinguished Article III -- House Appropriations Sub-Committee Members and staff. I am Rob Hromas, Vice President for Medical Affairs at UT Health San Antonio, and on behalf of President Bill Henrich, I appreciate the invitation to testify before this sub-committee.

Wanting to be respectful of your time and giving deference to the committee time limits, I will be brief.

I appreciate the HB1 base funding for UT Health San Antonio in the introduced bill. However I request the restoration of the previous 85th Legislature's funding cuts to 4 of our non-formula items.

Granting an increase in the HRI's formula and restoring our non-formula funding will benefit the San Antonio community, South Texas and the patients, faculty and staff at UT Health. This community is officially the fastest growing area of our state.

UT Health San Antonio educates health professionals in Medicine (leading in MD/PhD degrees awarded), Dentistry (recently ranked in a survey as the 3rd best program in the U.S.), Nursing (leading all UT nursing programs in 1st time pass rates on the NCLEX certifying exam), Health Professions (consistently among the top programs across all of its programs) and Biomedical Sciences. UT Health San Antonio is at the center of the “knowledge economy” in Central/South Texas, an enterprise estimated at \$40.2 billion in the biosciences industry of San Antonio. UT Health is the primary driver of science research in our region of the state with annual totals approaching \$250M this year, while our faculty treat nearly 2 million patients a year and provide in excess of 20% of all care for the underserved in our region. To date, we have graduated more than 32,500 students; a sizable proportion of the doctors, nurses, dentists, and health professionals in Texas are graduates of one of our 5 schools. Each of our missions – discovery, healing, and learning – will succeed if the HB1 budget fully restores our previous cuts.

In view of the vital role of these professionals have in our state’s general health, I ask, respectfully, that you enact the THECB Formula Advisory Committee’s recommendations to increase funding of the HRI’s formula, to include graduate medical education, and fund our five non-formula funding priorities, which will ensure that we provide

the state the highest return on investment (ROI) for the state's investment in us. Funding the formula would reverse 18 years of flat funding and reductions and enable this vital economic sector to grow.

Fully funding enrollment growth in the formulas is essential to UT Health SA and, I am respectfully asking the 86th Legislature to invest additional financial resources and provide substantially enhanced funding for my top non-formula budget item.

The Barshop Institute for Longevity and Aging Studies (Barshop), (which houses the Nationally competitive Nathan Shock, Claude Pepper and Geriatric Research, Education and Clinical Centers) is our top priority on non-formula funding. The 85th Legislature invested \$9M in special item funding to expand our aging critical research and develop a Translational Aging Research Program, taking scientific discoveries made in the laboratory to patients. Current state funding will ensure this initiative will remain at the forefront of discoveries that is aimed at saving billions of dollars in healthcare costs and improving the quality of life for many Texans. I request an additional \$12.5M in enhanced funding to further increase the capacity of the Barshop Institute to fund additional life-saving science that will lead, ultimately, to cures. By partnering with the Biggs Institute (which provides the most comprehensive care for Alzheimer's disease in Central and South Texas), STRONG STAR (the largest PTSD/Psychiatry study in the world), and our local military health training environment, the Barshop Institute is a unique treasure for Texas and will continue to advance new therapies to enable healthy aging.

My second non-formula priority urges the continuation of appropriations for Institutional Enhancement at 2018-2019 level of \$10.7M, but encourages the Legislature to rename it Academic Student Support to more accurately reflect its purpose. This funding facilitates educational research programs and support functions at UT Health SA in education, research and specialty training and a number of critical outreach programs throughout the 38 counties we serve.

I also have requested restoration of prior reductions to our Regional Campus Laredo (RCL) budget and the San Antonio Life Sciences Institute (SALSI), a collaborative and highly successful partnership in bioengineering with UTSA and other partners.

As our facilities age and as our tremendous growth continues, we need TRBs for capital construction projects. We have proposed an \$82M critical campus project – an Institute for Alzheimer’s & Neurodegenerative Diseases Building. This facility will meet the needs of the growing Alzheimer’s patient population in all of South Texas. Additionally, please know that I am in support of Texas’ Schools of Dentistry proposed Dental Clinical Operations (DCO) formula of support if the schools are in agreement.

Last, -- to Chairman Zerwas and the full House Appropriations Committee, thank you for your continued leadership on CPRIT, GME, and Mental Health Care in Texas. Rest assured that UT Health SA supports your

efforts on these previous initiatives and your current efforts to improve State Hospitals and mental health care services across our state, and in particular, at our San Antonio State Hospital. As you know, a comprehensive plan has been developed to modernize mental health care in South Texas, and the creation of a new SASH is crucial to the effort.

Again, thank you for the opportunity to testify today. I am happy to answer any questions.

William L. Henrich, MD, MACP

President and Professor of Medicine

The UT Health Science Center at San Antonio

7703 Floyd Curl Drive

San Antonio, TX 78229-3900

O: 210-567-2050; F: 210-567-2025





The University of Texas Health Science Center at San Antonio

President William L. Henrich, M.D., M.A.C.P.

86th Texas Legislative Funding (2020-2021) Priorities

1. Enhanced Health Related Institutions' (HRI) Formula Funding:

Based on full-time student equivalents, support for physical plant and utilities per square feet, weighted (academic) programs, medical and clinical research, and Graduate Medical Education (GME) per medical resident in accredited programs.

2. Enhanced Non-Formula Funding:

Direct appropriations to institutions for programs or projects specifically identified by the Legislature for support.

- a. **Barshop Institute (BI) for Aging Studies: (UT Health SA Healthy Brain Consortium), \$21.5M:** Recover, sustain, and enhance state funding for the internationally recognized Barshop Institute program in the area of basic biomedical research on aging and brain health. Consistently ranked near the top of aging research by the National Institute of Aging, the BI is the catalyst in providing compassionate and comprehensive network of clinical care for patients and their families. In conjunction with institutional partners, the Healthy Brain Consortium, which includes the Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, STRONG STAR, and the Department of Psychiatry, seeks to continue leading the nation in innovative brain research and comprehensive medical training in military health related topics such as post-traumatic stress disorder. The Military Health Institute (MHI) helps facilitate educational opportunities for students, residents and interns to train in a military health environment that are unsurpassed.
- b. **Institutional Enhancement, \$10.7M:**
Sustain the current level of state funding as it supports leading edge and innovative programs in education not otherwise supported by formula funding. Support renaming "Institutional Enhancement" to "Academic Student Support" which more accurately reflects the intended purpose of this funding.
- c. **Regional Campus Laredo, \$8.4M:**
Recover and sustain state funding in Laredo/Webb County and other South Texas/Middle Rio Grande counties along the border to support historically successful student academic programs, research and clinical training opportunities provided by the UTHSA schools of dentistry and health professions. This region represents a young population with disproportionate number of residents living below the poverty level with limited health care access and a low level of education. This region is repeatedly designated a medically underserved area with a shortage of well-trained health professionals and an abundance of health challenges.
- d. **San Antonio Life Sciences Institute (SALSI), \$4M:**
Recover and sustain state funding to support the institute's mission in collaborating joint academic studies significantly contributing to solutions for challenges facing research and healthcare. Prior legislative funding allowed both institutions (UTHSA & UTSA) to create new initiatives (and further expand existing ones) in three distinct areas: education, research, and workforce/infrastructure development. Educational activities included the SALSI Academy Innovation Forum, a lecture series in Brain Health, symposia and workshops on workforce development in biomedicine, data analytic/bioinformatics and regenerative medicine.
- e. **Outreach Support – South Texas Programs, \$2.7M:**
Recover and sustain state funding to support educational and clinical training programs in the South Texas Border Region and San Antonio.

3. Capital Construction Project/TRB, \$82M:

Institute for Alzheimer's & Neurodegenerative Diseases Building

Vice President for Governmental Relations

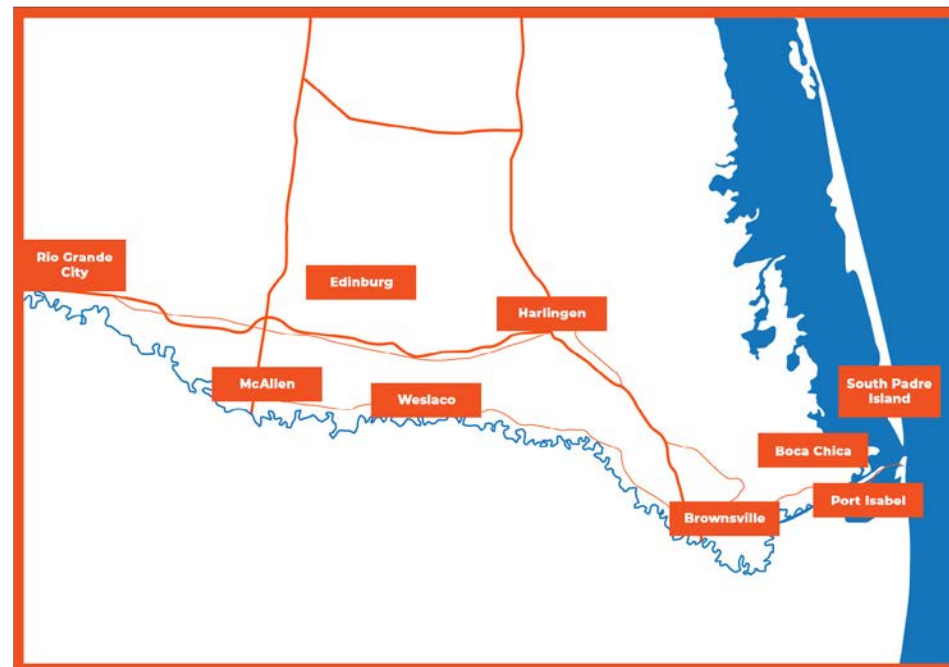
Mail code 7782 7703 Floyd Curl Drive San Antonio, Texas 78229 210.567.0372 Fax 210.567.0393 uthscsa.edu

What Matters To Your Health, Matters To Us



WHO WE ARE

- The UTRGV School of Medicine enrolled its first class in 2016
 - Currently has 155 students
 - Underrepresented Minorities comprise 55% of the student body
 - About a third of students and residents are from the Rio Grande Valley
 - Currently has 169 residents in 9 GME programs with 4 partner hospitals and will have 200 residents next year (two thirds remain in the RGV to practice)
- The UTRGV School of Medicine is a Valley-wide institution
 - Teaching sites in Edinburg and Harlingen
 - Research in Brownsville, Edinburg, Harlingen, and McAllen
 - Partnerships for GME in hospitals in Edinburg, McAllen (2), Weslaco, Harlingen, and Brownsville
 - Patient care sites throughout Valley (20 locations)
 - Unimovil (a mobile medical unit) delivers patient care to those who cannot come to a clinic



OUR FOCUS

- Achieving final LCME accreditation
- Making medical education affordable
- Building GME
- Expanding educational opportunities for medical students
- Conducting research impacting the RGV and its population
- Engaging our communities



AFFORDABLE

Our School of Medicine tuition for the 2017-2018 Academic year:

- Ranked **3rd** most affordable medical school in the country by The U.S. News & World Report
- **\$18,298** In-State Tuition
- **\$31,398** Out-of-State Tuition



EDUCATING A DIVERSE PHYSICIAN WORKFORCE

155 medical students

40% Hispanic

25% Caucasian

18% Asian/Indian

15% African American

2% Native American

Females: 76 (49%)

Males: 79 (51%)

Underrepresented

Minorities (URM): 86 (55%)



KEEPING PHYSICIANS IN RGV, TEXAS

- **169** residents in 9 GME programs
- Partnerships with **4 hospitals** across the Valley
- **83%** residents practicing in Texas
- **64%** residents practicing in the RGV
- Currently adding slots in
 - Urology
 - Endocrinology
 - Neurology
 - Geriatrics
 - Cardiology
 - Gastroenterology
 - Child Psychiatry
 - Pediatrics
 - Emergency Medicine
 - Sports Medicine

Exceeding
state goal of
1:1 ratio



GROWING OUR RESEARCH

Diabetes, Brownsville and Edinburg – South Texas Diabetes and Obesity Institute includes more than 52 researchers with more than \$30 million in federal and private funding to study the genetics of diabetes with the goal of improving the health outcomes.

Cervical Cancer, McAllen – The Cervical Dysplasia Clinic and Cancer Immunology Program begins this spring with a team of 16 scientists bringing \$4 million in federal funding and a commitment of up to \$2 million a year from the city of McAllen.

Neurosciences Institute, Harlingen – The Neuroscience Institute has been funded by the Valley Baptist Legacy Foundation at \$15 million; recruitment for a director and faculty are currently underway.



FUNDING PRIORITIES

- Fund enrollment growth through the HRI formula
- Provide non-formula funding (\$4.4M) for the Cervical Dysplasia Clinic (being transferred from UTMB) and Cancer Immunology Program
- Restore start-up funding (\$10M) for the School of Medicine to 2016-2017 levels to insure a smooth pathway to accreditation and help start new clinics
- Create a separate bill pattern for the School of Medicine
- Continue funding for residency slots to help us maintain our 1.1 to 1 ratio of residents to medical students
- Fund a College of Health Affairs Building (\$70M), which is needed to address the rapidly increasing demand for undergraduate and graduate programs to produce health professionals

OFFICE OF THE PRESIDENT

Dr. Guy Bailey

President@utrgv.edu

Brownsville: (956) 882-8201

Edinburg: (956) 665-2100

Harlingen: (956) 296-1415



House Appropriations Committee
Article III Subcommittee
February 19, 2019

Peter WT Pisters, M.D.
President

THE UNIVERSITY OF TEXAS
MDAnderson
Cancer Center
Making Cancer History®

Our Mission

To eliminate cancer in Texas, the nation and the world through outstanding programs that integrate patient care, research and prevention, and through education for undergraduate and graduate students, trainees, professionals, employees and the public.

MD Anderson is

#1



in cancer care

Our singular focus:
Making Cancer History®

Our organizing principle:
Serve the patient

Our culture:
Collaboration

Our strategy:
Research-driven patient care

Our mission areas:
Care, Research, Prevention,
Education



Patient Care



Research



Education



Prevention

- At MD Anderson, everything we do revolves around our patients
- Total patients served in FY17:
 - 137,398 (Houston)
 - 242,275 (Network)
- MD Anderson has the world's largest cancer clinical trials program with nearly 11,000 patients enrolling in 1,250-plus clinical trials in FY17
- More than \$844 million is invested research
- 7,100 trainees took part in educational programs
- MD Anderson continues to set the standard in cancer prevention research and the translation of new knowledge into innovative, multidisciplinary care

Formula Funding & Exceptional Item Request

- **Formula Funding**

- We thank the House for the emphasis on Formula Funding in the base bill
- Request continued support for Formula Funding for all health-related institutions as we move through the process

- **Exceptional Item: Rare and Aggressive Breast Cancer Restoration**

- Seeking restoration to battle an aggressive, often fatal, type of breast cancer that is commonly misdiagnosed
- Median survival of 4.75 years compared to 13.4 years for non-IBC patients
- Orphan disease with significant lack of funding from industry, other grant mechanisms
- 9 ongoing clinical trials with 425 patients, supported by additional 10 laboratory studies with nearly 4,000 patients

Tuition Revenue Bond Request

- **Tuition Revenue Bond Request: Joint request with UT Health for \$200 million for TMC3 Life Sciences Research Innovation & Discovery Initiative**
 - **\$8.7 million/year** in debt service for \$100 million in bonds
 - Importance and Utilization of Space:
 - Enhance collaboration, innovation, translation and commercialization in the Texas Medical Center.
 - Houston is underleveraged when compared to other smaller cities with fewer institutions and less philanthropic and NIH funding.
 - Research building, collaborative space, shared core labs, etc.

Total Project Cost (TPC)	Gross Sq. Ft.	Cost Gross Sq. Ft.	TRB as % of TPC
\$511,000,000	692,750	\$738	39%

Cancer Prevention and Research Institute of Texas

Since 2010, 248 CPRIT awards to MD Anderson: \$399 M

- 216 Research awards – \$ 278 M
 - 18 Prevention awards – 18 M
 - 30 Recruitment awards – 103 M
-
- MD Anderson has received ~ 18 % of total CPRIT awards
 - This has been a vital source of funding for research, prevention, product development and recruitment of renowned scientists
 - Scheduled to sunset in 2023, we encourage the state to strongly consider continuation of CPRIT
 - Positioned Texas as the world leader in cancer discovery, innovation and therapeutic development

THE UNIVERSITY OF TEXAS

MD Anderson
~~Cancer~~ Center

Making Cancer History[®]



UTHealth

The University of Texas
Health Science Center at Tyler

FY 2020 – FY 2021 Legislative Appropriations Request

*Presented to the House Appropriations Committee
February 19, 2019*

Kirk A. Calhoun, MD, FACP
President

- As the only academic medical center in Northeast Texas, we serve a region the size of West Virginia, a population of more than 1.3 million.
- We exist to meet the needs of our region and state through our three-part mission:

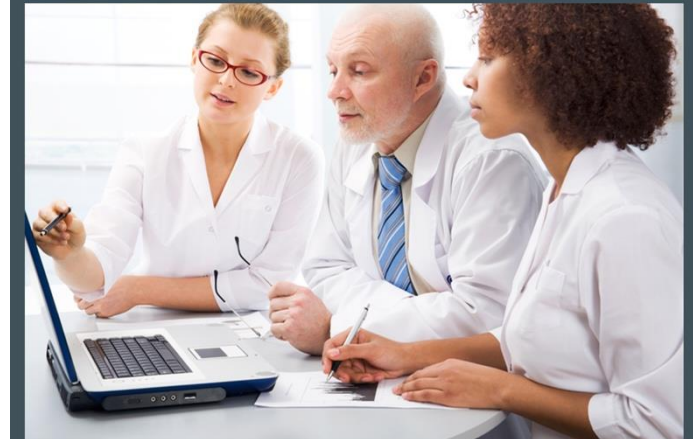
Research



Patient Care



Education

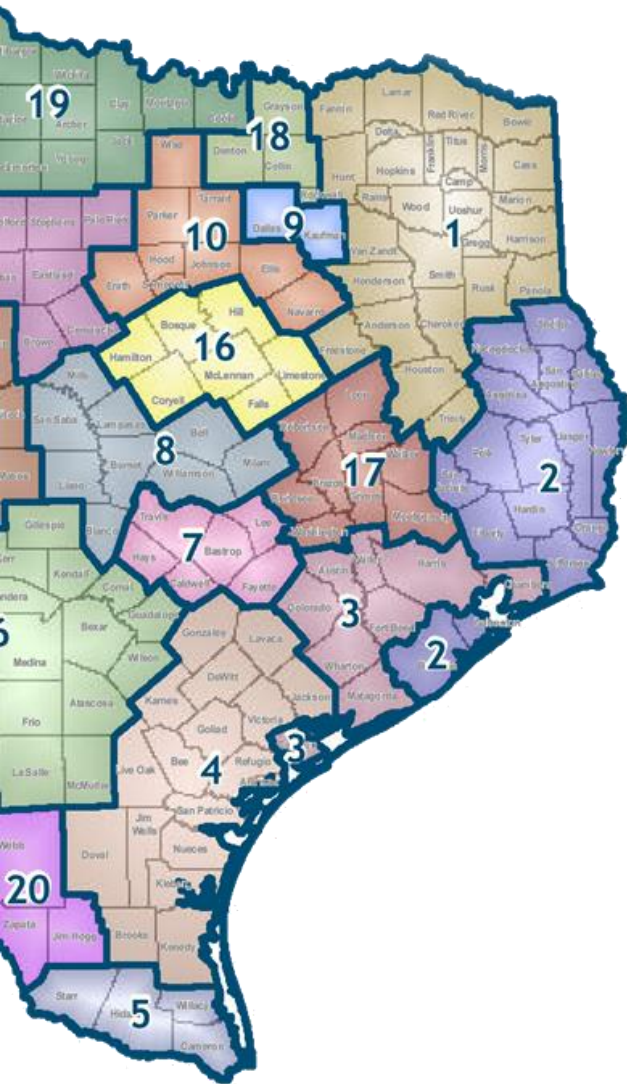


- **State Chest Hospital:** Primary facility for diagnosis, treatment, research, and workforce training on respiratory disease. In partnership with DSHS, UT Health Science Center at Tyler continues to provide physician services at the Texas Center for Infectious Disease in San Antonio.
- **East Texas Center for Rural Geriatric Studies:** Research and training related to care for elderly patients in rural Texas.
- **Center for Pulmonary and Infectious Disease Control:** Clinical services and applied research and development laboratory that serves state health agencies and physicians regarding management and control of pulmonary infectious disease.

- **Public Health Lab of East Texas:** In partnership with DSHS and CDC, UT Health Science Center at Tyler is the bioterrorism laboratory for Northeast Texas.
- **Southwest Center for Agricultural Health, Injury Prevention, and Education:** Research, prevention, intervention, education, and outreach designed to reduce occupational injuries and diseases among agricultural workers and their families *in 5 states*.
- **Heartland National TB Center:** Coordination of treatment and prevention of tuberculosis *in 9 states*.

*Compared to other regions of the state,
Northeast Texas faces significant public health
challenges that lead to early death and
unnecessary cost.*

Northeast Texas



	Northeast Texas	Texas
Population	1.3 million	25.1 million
Rural Population	53.9%	17.5%
Median Age	41	33.6
Per Capita Income	\$19,386	\$24,870
Bachelor's Degree	13.2%	25.8%
Heart Disease Mortality	49 th	33 rd
Cancer Mortality	40 th	13 th
Stroke Mortality	49 th	42 th
All Cause Mortality	44th	27th

- All but two counties in Northeast Texas are either wholly or partially designated as medically underserved areas or populations.
 - **Primary Care:** A significant number of the counties in Northeast Texas have shortages in primary care providers. In some communities, there are no primary care providers.
 - **Public Health:** There is a significant lack of trained public health workforce to respond to population health issues.

Behavioral Health Workforce Challenges

- **Mental Health:** An estimated 85,000 individuals in the region have a serious mental illness.
- **Workforce:** The ratio of patients to mental health providers in some communities is nearly 25,000 to 1, seven times worse than the statewide average.
- **Provider Shortage:** More than 85% of counties in Northeast Texas have shortage of mental health providers.
- **Psychiatrists:** Most counties in Northeast Texas do not have a general psychiatrist.

The region has a 43% higher suicide rate than the state average.

- UTHSCT partnered with the Health and Human Services Commission to improve mental health services:
 - *30-bed residential unit* that provides mental health services and alleviates overcrowding at state mental facilities.
 - *14-bed acute care unit* to provide additional beds to the State to better care for patients in acute mental illness crisis.

- **Integrated Care:** Mental health services are integrated into the primary care clinics on our campus.
- **Geriatric Psychiatry:** Inpatient geriatric services and outpatient treatment for seniors with mental health needs, allowing them to remain in their homes or long-term care environments.
- **Child, Adolescent, and Adult Outpatient Clinic:** Serves children, adolescents, and adults with mental illness.

- Existing graduate medical education programs in family medicine, internal medicine, psychiatry, rural family medicine, and occupational medicine.
- Clinical Psychology Internship program and post-doctoral fellowship
- Making a difference in the most underserved areas of our State: 77% of the family medicine residents we train stay in Texas, and 40% of those stay in rural Texas.

UT Health Science Center at Tyler expects to add more than 200 new residents through the UT Health East Texas System.

- UTHSCT has several academic programs that provide degree programs to students:
 - *Our School of Medical Biological Sciences* offers a Master's of Science in Biotechnology.
 - *Our School of Community and Rural Health* offers a Master's in Public Health to address significant workforce shortages in public health, particularly in rural Texas. And a Master's in Health Administration will matriculate students in 2019.

- Priority 1:** Fully fund our mission specific formula.
- Priority 2:** Maintain current funding for mental health workforce development.
- Priority 3:** Fund exceptional item to expand mental health workforce development programs to focus on children and families.
- Priority 4:** Fund Tuition Revenue Bond Request for repair and rehabilitation of our biomedical research labs
- Priority 5:** Preserve funding for existing non-formula support items

- \$2.73 million per year to expand existing mental health workforce training programs to serve youth and families with mental illness that will allow:
 - Training focused on child and adolescent abuse, trauma, and mental illness in primary care setting.
 - Additional Psychology and Psychiatry faculty.
 - Staffing for specialty care programming for child and adolescent abuse and trauma.
 - Engagement in a child abuse and trauma collaborative with community stakeholders including the Children's Advocacy Center and Local Mental Health Authority.

- Repair and rehabilitation of our biomedical research labs:
 - Renovations to existing lab space, microscope rooms, culture rooms, and other teaching and academic support areas.
 - Renovations will bring 19 labs into substantial compliance with current mechanical, electrical, and plumbing codes.
 - Total Project Cost: \$18,521,432.03.



UTHealth

The University of Texas
Health Science Center at Tyler

Child and Adolescent Behavioral Health Exceptional Item Request

Increasing access to care for underserved at-risk children in Northeast Texas

Our Request: UT Health Science Center at Tyler requests an exceptional item of \$2.73 million per year to expand existing mental health workforce training programs and research to serve Children, youth and families suffering from abuse, trauma, and mental illness.

The Problem

- 1 out of 4 females and 1 out of 6 males will experience some form of sexual abuse by age 18.
- 48% of children have experienced at least one of nine types of adverse experiences, including physical or emotional abuse or neglect, deprivation, addictions or exposure to violence.
- Unresolved trauma in childhood and adolescence is linked to an increased risk of suicide, the third leading cause of death for children ages 10-14.
- 2 out of 3 adults in addiction treatment experienced child abuse and neglect.
- Less than one-half of children with a diagnosable mental health condition receive mental health services and support in a given year.

The Prescription – Mental Health Workforce Training That Emphasizes Child and Adolescent Care

- UTHSC Tyler currently operates a robust mental health workforce training program that consists of twelve psychiatric residents, eight psychology interns, and one psychology post-doctoral fellow that care for patients and train in UTHSCT clinics and community locations such as Rusk State Hospital and Terrell State Hospital.
- With an additional \$2.73 million per year, this program could be expanded to add a critical focus on training, research, and care of child and adolescent abuse, trauma, and mental illness by:
 - Hiring Additional Faculty and Providers: Three psychologists, one child and adolescent psychiatrist, one pediatrician, one LPC-Supervisor/LCSW, and one case manager/BSW.
 - Expanding Training Capacity: Three post-doctoral psychology fellows, and one advanced psychology fellow.
- **These additional mental health providers will conduct approximately 300 additional patient visits a week, or 13,800 additional patient visits per year, enabling expansion of services to more children and families in need.**
- Expanded capacity will also allow providers to increase collaboration with school districts, Children's Advocacy Centers, and Local Mental Health Authorities.

This investment will make a lifetime of difference to the children we serve

Budget Hearing
Legislative Appropriations Request FY 2020-2021

Provided to the:

House Appropriations Committee, 86th Legislature

February 19, 2019

University of North Texas Health Science Center

Presented By

Michael R. Williams, DO, MD, MBA

President

Agenda

- Acknowledgment
- Purpose/Vision/Mission/Values
- Areas of Expertise
- Legislative Priorities

Acknowledgment

Thank you for the continued support of the Senate Finance Committee

- Providing support to all HRIs through the health-related formulas
- Maintaining support for unique areas of expertise for Non-formula Support items
- Increasing funding for the GME Expansion program
- Approving authorization to offer an MD degree program (House Bill 1913)

Purpose/Vision/Mission/Values

- Our purpose: Transform lives in order to improve the lives of others
- Our vision: One University, built on values, defining and producing the providers of the future
- Our mission: Create solutions for a healthier community
- Our values: Serve Others First, Integrity, Collaboration, Respect, Be Visionary

Areas of Expertise: Education

Primary Care

State's leader in primary care

- Graduates entering primary care residencies: 62%
- Approved residency positions: 43%
 - Entry level residency positions: 47%

High-Performing Schools

- 10-year accreditation for TCOM and PT
- Maximum Accreditation Awarded for UNT System College of Pharmacy
- Preliminary Accreditation Awarded for School of Medicine

Areas of Expertise: Education

GME

- Agreement between UNTHSC and two key hospital systems (Hospital Corporation of America (HCA) and Baylor Scott & White) commits to expand residency positions by 650 over the next 4 - 7 years
- Awarded funding from THECB's GME Planning & Expansion grants to three TCOM-affiliated hospitals (19 approved positions)
- Transition of AOA residency positions to ACGME, two years ahead of schedule, will create more training opportunities for UNTHSC students
 - 95% (447 out of 471) of GME residency positions have converted to ACGME

Areas of Expertise: Discovery/Research

➤ Economic Development & Commercialization

— Funding has spurred economic development for the State

» Launch of new startups & licensing activities

- Cerenis Therapeutics – partnership to develop new pharmaceutical technologies
- CIRC Therapeutics - based on UNTHSC technology to fight ophthalmic diseases
- Cx Precision Medicine - based on UNTHSC technology to diagnose Alzheimer's Disease

» Startups raised over \$.5 Billion in direct funding

- ZS Pharma
- TECH Fort Worth
- Encore Vision
- Exact Diagnostics

Areas of Expertise: Applied Genetics

➤ DNA Lab and Texas Missing Persons & Human Identification Program

Since 2010:

- Added nearly 21,000 DNA profiles for missing persons and unidentified remains cases to the CODIS Missing Persons DNA Database
- Made over 2,200 DNA identifications, of which over 1,300 missing persons and unidentified remains cases have been resolved
- Analyzed over 12,600 DNA cases in support of Texas criminal investigation
- Analyzed over 1,400 skeletal remains cases via forensic anthropology

In 2018:

- Added 762 DNA profiles for missing persons and unidentified remains to the CODIS Missing Persons DNA Database
- Made 222 DNA identifications, resolving 200 unidentified remains and missing persons cases
- Analyzed 1609 DNA cases in support of Texas criminal investigations
- Analyzed 125 Texas skeletal remains cases via forensic anthropology
- Texas border region alone: Analyzed 80 skeletal remains cases, 164 DNA profiles from unidentified remains, and 68 DNA identifications

Legislative Priorities

- Funding for Exceptional Item Request:
Tuition Revenue Bonds (TRBs): Academic Building
- Maintain Non-Formula Support Funding
- Additional Health-Related Formula Funding

Legislative Priorities: Requests

- TRBs: Academic Building (Debt Service: \$19.9M biennium)
 - Construct a 180,000 gross sq ft student-centric building
 - » Alleviate the current academic space deficit
 - » Improve utilization of existing space and infrastructure
- Maintain Non-Formula Support Funding
 - ROI
 - Support for Texas Law Enforcement
- Additional Health-Related Formula Funding
 - Required to maintain & support current enrollments
 - Required for extraordinary teams of health care providers to meet the challenging health care needs of the future



Baylor College of Medicine Report to the Legislature 2019

History of Baylor College of Medicine

- Founded in 1900 in Dallas
- Second oldest medical school in Texas
- Moved to Houston in 1943
- In 1947, moved to present site in Cullen Building – first building constructed in the Texas Medical Center
- In 1948, Dr. Michael E. DeBakey appointed chair of Department of Surgery
- College of Medicine separated from Baylor University in 1969
- Also in 1969, Legislature passed law authorizing State funds for Baylor College of Medicine

Largest Employers in the Greater Houston Metropolitan Area

1. Walmart
2. H-E-B
3. Memorial Hermann Health System *
4. Houston Methodist *
5. UT MD Anderson Cancer Center *
6. Kroger
7. McDonald's
8. United Airlines
9. Texas Children's Hospital *
10. ExxonMobil
11. Hospital Corporation of America (HCA) *
12. Landry's
13. UT Medical Branch Galveston*
14. Schlumberger
15. Shell Oil
16. Whataburger
17. UT Health Science Center Houston*
18. Harris Health System *
- 19. Baylor College of Medicine ***
20. Baker Hughes
21. CHI St. Luke's Health *
22. National Oilwell Varco
23. Chevron
24. JPMorgan Chase
25. Walgreens
26. Wood Group
27. Michael E. DeBakey VA Medical Center *
28. Target
29. CenterPoint Energy
30. Academy Sports and Outdoors
31. KBR
32. Halliburton
33. LyondellBasell
34. BP America
35. Fiesta Mart
36. CVS Health *
37. Southwest Airlines
38. S & B Engineers and Constructors
39. Macy's
40. Dalkin Texas Technology Park

Baylor College of Medicine Demographics

Full-time enrollment:		1,577
Medical students	736	
Graduate students	603	
Health Professions students	238	
Tropical Medicine Course Participants		46
Resident physicians & clinical fellows		1,538
Postdoctoral research fellows		583
Faculty		5,304
Full-time	3,066	
Part-time	610	
Voluntary	1,628	
Staff		4,779
Full-time	4,267	
Part-time	512	

Baylor College of Medicine – Student Data

- In 2018:
 - 7,619 applicants for 186 first-year medical school positions
- GPA of 2018 entering BCM medical students:
 - 3.9 out of 4.00
- In 2017, 100% of Baylor medical students passed Step 1 of the U.S. Medical Licensing Exam on their first try

Graduate Medical Education

Number of Resident Physicians – Texas Institutions ACGME-Accredited Programs

BAYLOR COLLEGE OF MEDICINE	1,424	Texas Tech HSC El Paso	252
UT Southwestern	1,309	Baylor University Medical Center (Dallas)	243
UTHSC Houston	1,090	John Peter Smith Hospital (Fort Worth)	186
UTHSC San Antonio	770	UT Rio Grande Valley	135
UTMB Galveston	578	Texas Tech Permian Basin	121
San Antonio Uniformed Services Health Education Consortium	567	UT MD Anderson Cancer Center	102
Texas A&M Scott and White (Temple)	466	Texas Tech HSC Amarillo	98
UT Austin Dell Medical School	281	Christus Health, Irving	93
Houston Methodist	273	Methodist Health System Dallas	83
Texas Tech HSC Lubbock	266		

BCM Partnership Schools in Collaboration with Independent School Districts

Baylor College of Medicine Academy at James D. Ryan
(Houston, 2013)

Baylor College of Medicine Biotech Academy at Rusk
(Houston, 2016)

Michael E. DeBakey High School for Health Professions
(Houston, 1972)

Health Science Academy at Foy H. Moody High School
(Corpus Christi, 1990)

Health Science Magnet at J.B. Alexander High School
(Laredo, 1994)

Rising Scholars Academy of South Texas (San Benito, 2015)

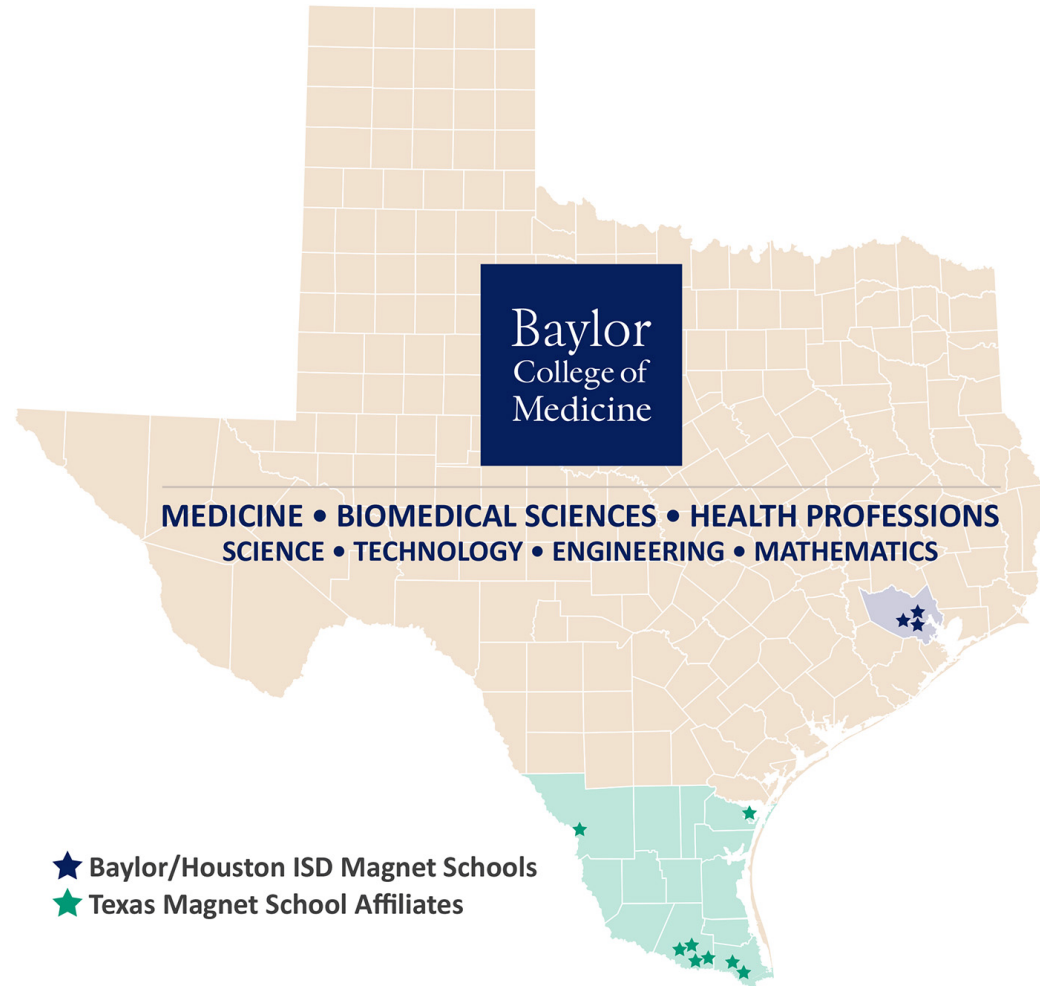
South Texas Academy for Medical Professions
(Olmito, 2015)

South Texas Business, Education and Technology Academy
(Edinburg, 1993)

South Texas High School for Health Professions
(Mercedes, 1983)

South Texas Preparatory Academy (Edinburg, 2008)

The Science Academy of South Texas (Mercedes, 1989)



Dual and BS/MD Degree Programs

Dual Degree Programs

- MD/JD with the University of Houston
- MD/MBA with Rice University
- MD/MPH with UT Health Science Center – Houston



BS/MD Programs

- Baylor University
- UT Rio Grande Valley
- University of Houston
- Rice University
- Joint Admission Medical Program (JAMP)



South Texas Partnership

- Eight-year BS/MD program
- Partnership between UT Rio Grande Valley and Baylor College of Medicine
- Open to graduating seniors in South Texas
- Students who complete all requirements at UTRGV automatically offered enrollment at Baylor College of Medicine
- Since its establishment in 1994:
 - 324 students have participated
 - 161 have received M.D. degrees – 132 from Baylor College of Medicine
 - 18 PHC students currently enrolled at Baylor, another 22 at UTRGV
- Program received the “Star Award” from the Higher Education Coordinating Board in 2002 – first medical school program to be honored



Clinical and Academic Affiliations

Joint Venture Partners



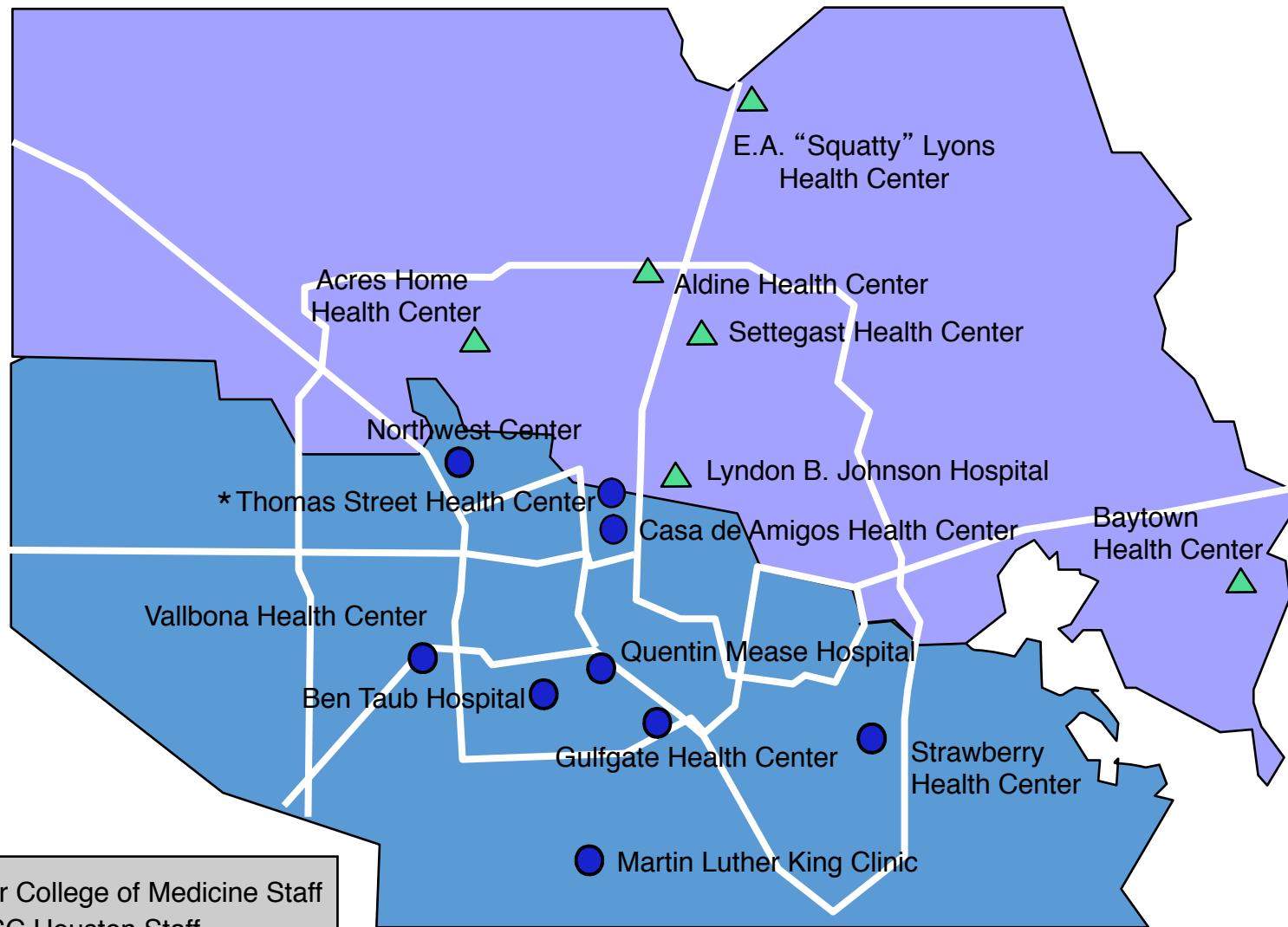
Affiliated Hospitals



Major Academic Partners



Harris Health System Facilities



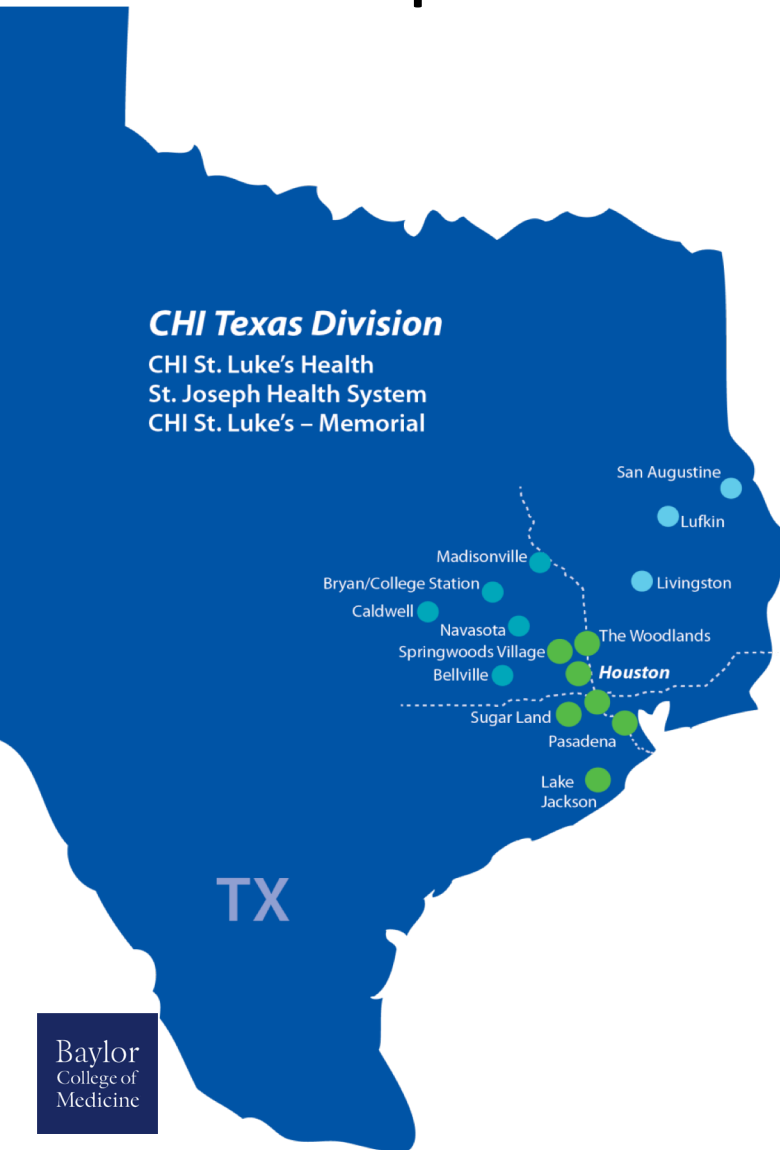
Children's Hospital of San Antonio

- Children's Hospital of San Antonio is part of the *CHRISTUS Health* System
 - 2012 - Chartered as the first, academic, free-standing, non-profit children's hospital in San Antonio
 - 2013 - Baylor College of Medicine signed a 10-year academic affiliation, with 5-year extensions
 - 2019 – Progress
 - 172 BCM faculty
 - 33 BCM Pediatric residents
 - 112 BCM research protocols



CHI Texas Division

17 Hospitals



CHI St. Luke's Health

- Baylor St. Luke's Medical Center
- Brazosport Regional Health Center
- Lakeside Hospital
- Patients Medical Center
- Springwoods Village Hospital
- Sugar Land Hospital
- The Vintage Hospital
- The Woodlands Hospital

St. Joseph Health System

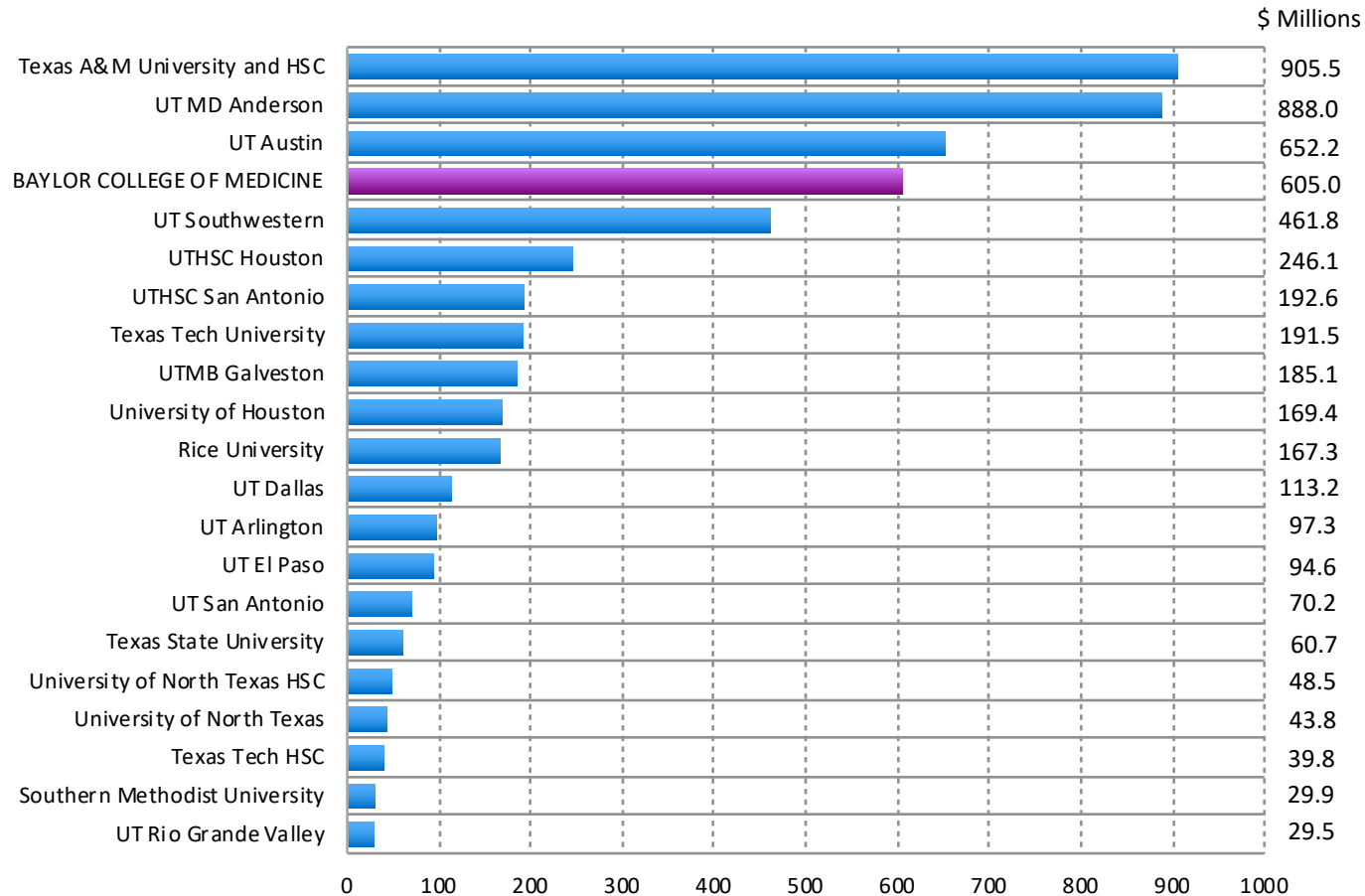
- Bellville St. Joseph Health Center
- Burleson St. Joseph Health Center
- Grimes St. Joseph Health Center
- Madison St. Joseph Health Center
- St. Joseph Regional Health Center

CHI St. Luke's–Memorial

- CHI St. Luke's–Memorial Lufkin
- CHI St. Luke's–Memorial Livingston
- CHI St. Luke's–Memorial San Augustine
- CHI St. Luke's–Memorial Specialty Hospital

Research

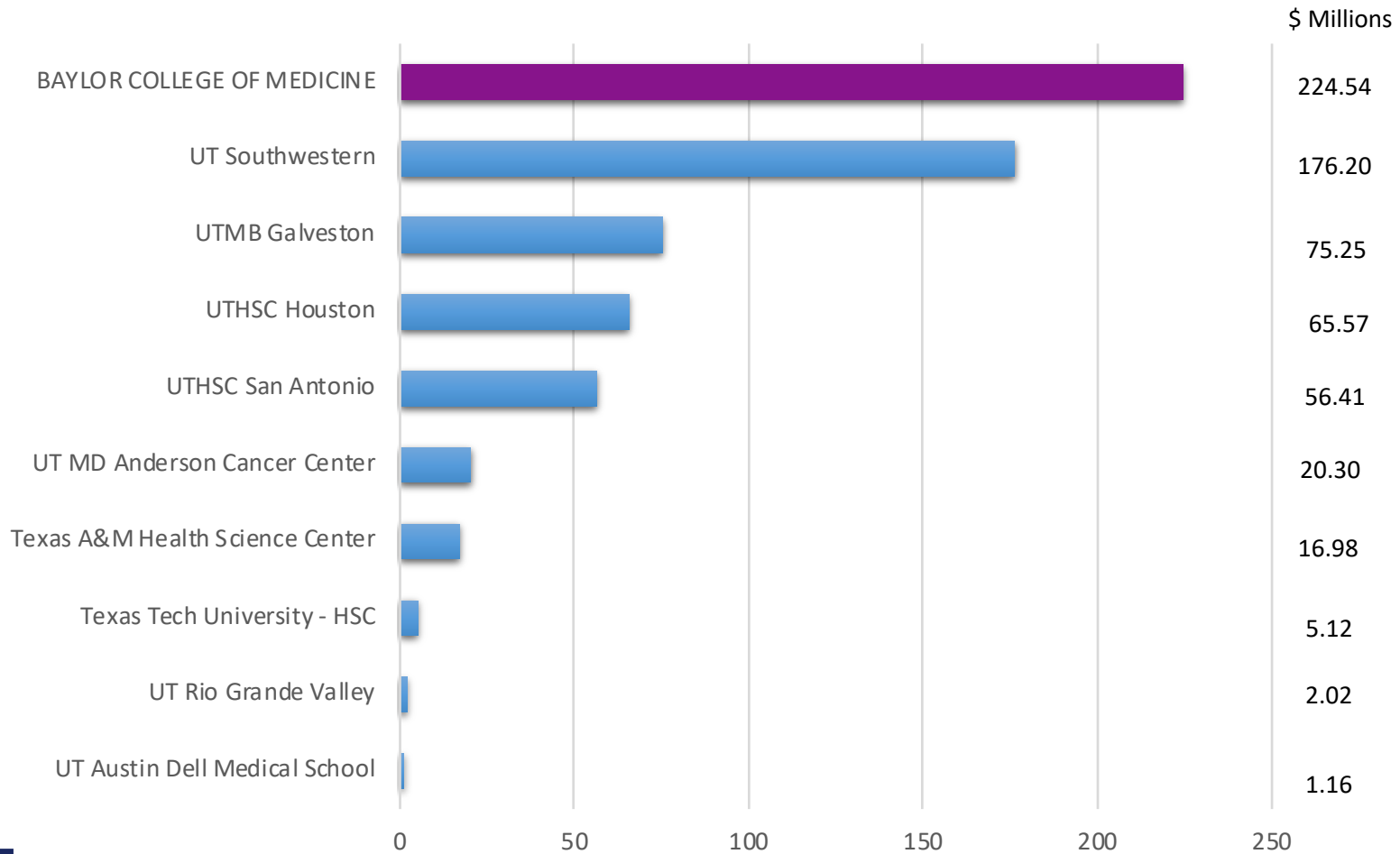
Total Research Expenditures Texas Colleges and Universities – FY 2017



Source: National Science Foundation, November 2018

National Institutes of Health Research Funding

Texas Health Related Institutions – FY 2017



State Funding

Medical Education

- Appropriation based on two factors:
 - Number of Texas medical students at BCM
 - Average, per-student, general revenue appropriation to public medical schools in Galveston and Dallas
- BCM's original commitment to the State:
 - Double entering medical school class from 84 to 168
 - At least 70% of all medical students are Texas residents
 - Charge same tuition as public medical schools

State Funding

Graduate Medical Education

- “Formula funding” for resident physician training:
 - Created in 2005
 - All programs eligible – primary care and specialties
- Expansion Programs
 - In 2013, the Legislature created new grant programs intended to increase the number of residency slots in Texas
 - In the FY 2018-2019 biennium, the Coordinating Board awarded \$96.9 million to support new residency positions in institutions across the state. Baylor College of Medicine and its affiliate, Children’s Hospital of San Antonio, received \$11.4 million to create 79 new residency positions.

State Funding

None of the medical education and GME funds appropriated to BCM may be used for:

- The purchase of land or construction of facilities
- Patient care
- Research
- The Graduate School of Biomedical Sciences
- The School of Health Professions
- The continuing medical education program
- Educational outreach programs with elementary schools, middle schools, high schools and colleges

U.S News & World Report Best Medical Schools 2018-2019

Texas Medical Schools – Research Category

16 th	BAYLOR COLLEGE OF MEDICINE
26 th	Univ. of Texas Southwestern Medical Center
52 nd	Univ. of Texas Health Science Center, Houston
62 nd	Univ. of Texas Health Science Center, San Antonio
66 th	UTMB Galveston
93 rd	Texas Tech Health Science Center



Ranking not published

Univ. of North Texas Health Science Center
Univ. of Texas Rio Grande Valley
Texas A&M Health Science Center

Texas Medical Schools – Primary Care Category

5 th	BAYLOR COLLEGE OF MEDICINE
19 th	Univ. of Texas Southwestern Medical Center
68 th	Texas Tech Health Science Center
72 nd	Univ. of Texas Health Science Center, San Antonio
85 th	UTMB Galveston (tied) Univ. of Texas Health Science Center, Houston (tied)
90 th	Univ of North Texas Health Science Center



Ranking not published

Univ. of Texas Rio Grande Valley
Texas A&M Health Science Center

U.S. News & World Report 2018-2019

Additional Baylor Ranked Programs

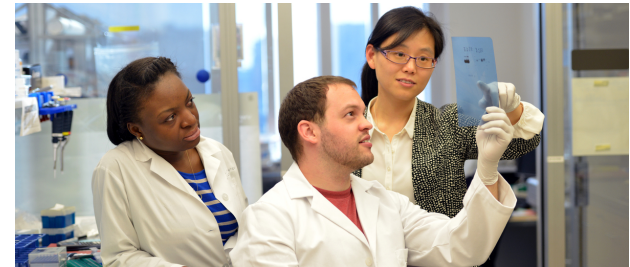
Best Medical Programs

10th – Pediatrics



Best Ph.D. Programs

26th – Biological Sciences



Best Health Professions Programs

2nd – Nurse Anesthesia (DNP) *

13th – Physician Assistant program *





The Roy and Lillie Cullen Building

Baylor
College of
Medicine®

GIVING LIFE TO POSSIBLE

**Public Community/Junior Colleges
Summary of Recommendations - House**

Page III-204

Andrew Overmyer, LBB Analyst

Method of Financing	2018-19 Base	2020-21 Recommended	Biennial Change (\$)	Biennial Change (%)
General Revenue Funds	\$1,794,520,043	\$1,822,023,286	\$27,503,243	1.5%
GR Dedicated Funds	\$0	\$0	\$0	0.0%
<i>Total GR-Related Funds</i>	<i>\$1,794,520,043</i>	<i>\$1,822,023,286</i>	<i>\$27,503,243</i>	<i>1.5%</i>
Federal Funds	\$0	\$0	\$0	0.0%
Other	\$0	\$0	\$0	0.0%
All Funds	\$1,794,520,043	\$1,822,023,286	\$27,503,243	1.5%

	FY 2019 Budgeted	FY 2021 Recommended	Biennial Change	Percent Change
FTEs			0.0	0.0%

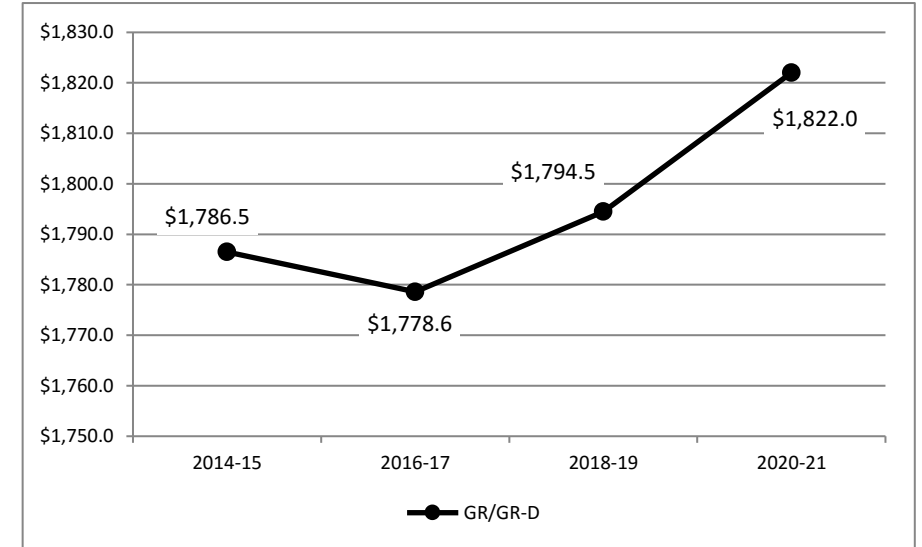
Agency Budget and Policy Issues and/or Highlights

State appropriations for the Public Community and Junior Colleges are funded with General Revenue only. Funding for the community colleges maintains core operations funding of \$1.4 million for each community college district, total success point formula funding of \$186.5 million, and total contact hour formula funding of \$1,533.7 million.

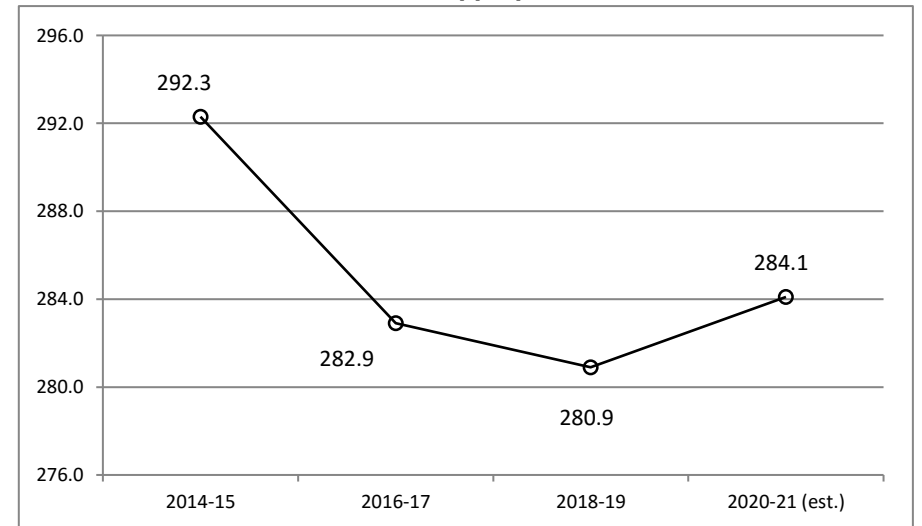
The bill pattern for this agency (2020-21 Recommended) represents an estimated 24.8% of the agency's estimated total available funds for the 2020-21 biennium.

Section 1

Historical Funding Levels (Millions)



Historical Contact Hours Used for Appropriations (Millions)



Public Community/Junior Colleges
Summary of Funding Changes and Recommendations - House

Section 2

Funding Changes and Recommendations for the 2020-21 Biennium compared to the 2018-19 Base Spending Level (in millions)		General Revenue	GR-Dedicated	Federal Funds	Other Funds	All Funds	Strategy in Appendix A
<i>SIGNIFICANT Funding Changes and Recommendations (each issue is explained in Section 3):</i>							
A)	Formula funding increase to maintain 2018-19 rates for core operations, success points, and contact hours.	\$23.7	\$0.0	\$0.0	\$0.0	\$23.7	Multiple Strategies
B)	Formula funding increase to maintain 2018-19 rates for Bachelors of Applied Technology Programs.	\$0.3	\$0.0	\$0.0	\$0.0	\$0.3	G.1.1, AB.1.1, AL.1.1, AS.1.1
C)	Transfer of the Texas Community College Consortium program from the Texas Higher Education Coordinating Board. There is a corresponding decrease in the recommendations for the Texas Higher Education Coordinating Board.	\$2.5	\$0.0	\$0.0	\$0.0	\$2.5	D.2.1
D)	Funding for the Catalyst Program at Brazosport Community College.	\$1.0	\$0.0	\$0.0	\$0.0	\$1.0	G.2.2
TOTAL SIGNIFICANT Funding Changes and Recommendations (in millions)		\$27.5	\$0.0	\$0.0	\$0.0	\$27.5	As Listed

NOTE: Totals may not sum due to rounding.

**Public Community/Junior Colleges
Selected Fiscal and Policy Issues - House**

- 1. Overview of Community College Funding.** Funding for Public Community and Junior Colleges is comprised of state appropriations, tuition and fee revenue, federal funds, and local property tax revenue. Unlike other institutions of higher education, tuition and fee revenue is not included in state appropriations for community colleges. State funding includes formula appropriations for core operations, success points, and contact hours, and non-formula appropriations for support items and bachelor of applied technology programs.

While the community college bill pattern consolidates all fifty community college districts, each district submits an individual Legislative Appropriations Request that contains non-formula support item information and exceptional item requests. No formula funding is requested through the LAR; however, the Texas Association of Community Colleges (TACC) submits a formula request on behalf of all fifty community colleges to the LBB and Governor's Office. For the 2020-21 biennium, TACC requested a total of \$1.9 billion in formula funding. The request includes an increase in the contact hour funding rate from \$2.70 to \$2.75 per hour and an increase in the success point rate from \$172 to \$215 per point. This would result in a funding increase of \$83 million and \$61 million, respectively, over 2018-19 appropriations.

Community colleges report contact hour data to the Texas Higher Education Coordinating Board (THECB). THECB compiles the data and provides success point and weighted contact hour data (based on THECB Report of Fundable Operating Expenses) to the Legislative Budget Board. This data is the basis for formula funding.

- 2. 2018-19 and 2020-21 Appropriations.** The table below summarizes the appropriations for the 2018-19 biennium and funding for the 2020-21 biennium. Recommendations maintain formula funding rates from the 2018-19 biennium of \$171.56 per success point and \$2.70 per contact hour. Additionally, each institution receives \$1.4 million for core operations.

General Revenue	2018-19 Appropriation (in millions)	2020-21 Appropriation (in millions)	Difference
Formula Funding	\$1,764.6	\$1,791.4	\$23.7
Core Operations	\$68.0	\$68.0	-
Success Points	\$180.0	\$186.5	\$6.6
Contact Hours	\$1,516.6	\$1,533.7	\$17.1
Non-Formula Support Item Funding	\$27.1	\$30.6	\$3.5
Bachelor of Applied Technology Program Funding	\$2.8	\$3.1	\$0.3
Total	\$1,794.5	\$1,822.0	\$27.5

- 3. Bachelors of Applied Technology Formula Funding.** Bachelors of Applied Technology (BAT) Programs are funded at the same Instruction & Operations Support General Revenue rate used by the General Academic Institutions (GAls).

4. **Non-Formula Support Funding.** Recommendations include \$2.5 million in General Revenue funding to Angelina College as the representative member of the Texas Community College Consortium, which also includes Paris Junior College, Texarkana College, Kilgore College, and Northeast Texas College. The Consortium uses appropriations to obtain discounted rates on software applications through pooled resources.

Recommendations include \$1.0 million in General Revenue funding to Brazosport College for the Catalyst Program.

Recommendations maintain 2018-19 General Revenue funding for all other non-formula support items.

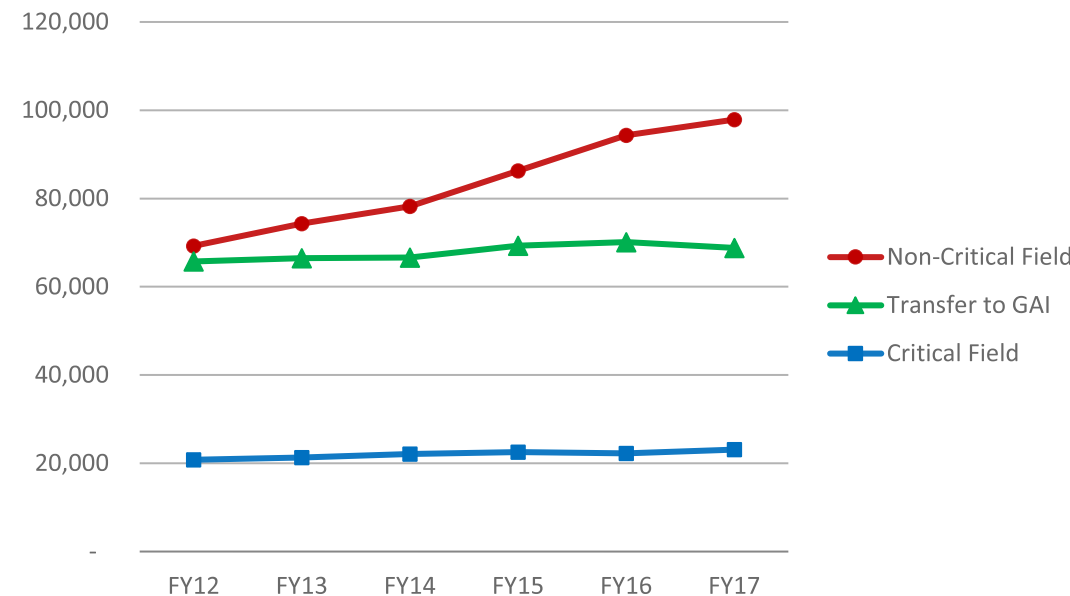
5. **Hurricane Harvey Facilities Damage.** The Lone Star College System requested a one-time General Revenue supplemental appropriation of \$13.1 million to repair facilities damaged by Hurricane Harvey. The institution obtained an estimate of \$38 million in total damage from a third party evaluator; the institution has already received \$8 million in insurance funding, but has not received reimbursement or an estimate of planned reimbursement from the Federal Emergency Management Agency (FEMA). The request assumes that FEMA will reimburse \$15 million of the damage.

6. **Instructional Programs in the Edcouch or Elsa Municipalities.** House Bill 382, 84th Legislature, requires South Texas College to provide instructional programs beginning in the 2019-20 academic year in the Edcouch or Elsa municipalities. The institution is requesting \$3.9 million in one-time, startup appropriations for diesel technology, electrical line worker, and welding technology programs.

The institution is requesting state appropriations instead of proposing a referendum for bond issuance because it is concerned that such a referendum would fail to pass. The school has stated that because its tax district covers Hidalgo and Starr counties and the instructional facility would reside entirely in Hidalgo County, the voters in Starr County would not approve the measure.

The institution expects the programs to generate formula funding starting in fiscal year 2022 and therefore would not request non-formula support in the 2022-23 biennium.

7. **Degrees Awarded in Critical and Non-Critical Fields and Student Transfers to General Academic Institutions.** From fiscal year 2012 through fiscal year 2017, degrees awarded by Community Colleges in ‘non-critical fields’ (defined in the success point formula as fields other than science, technology, engineering, mathematics, and allied health) increased by 41 percent, degrees awarded in ‘critical fields’ increased by 11 percent, and the number of student transfers from a Community College to a General Academic Institution (GAI) increased by 5 percent.



Source: Higher Education Coordinating Board

The success point formula currently awards a Community College 2.25 points for every critical field degree awarded and 2.0 points for every non-critical field degree awarded or student transfer to a GAI. The Legislature could incentivize more rapid growth in the number of critical field degrees awarded and student transfers to GAIs by increasing the weight of those success points. If the success points were increased and General Revenue were maintained, the funding rate for success points would be reduced; if the funding rate were maintained, General Revenue funding would increase.

If the resulting change in critical and non-critical field degrees awarded or student transfers to GAIs is not what was intended, future Legislatures could make further revisions to the success point formula.

8. **Funding Overview of Community College Dual Credit Courses.** Community Colleges are eligible to receive formula funding for dual credit courses only if the course is in the institution's core curriculum, a career and technical education course, or a foreign language course. Community Colleges receive formula funding for each contact hour of instruction, whereas public and charter high schools earn a combination of state and local Foundation School Program (FSP) entitlement funding for half and full days of student instruction (two and four hours, respectively).

As such, there is a net increase in overall state funding only if the dual credit course is 1) eligible to receive contact hour formula funding and 2) increases the student's high school instruction hours from sub-half day (zero to one hour) to half day (two hours), or sub-full day (two to three hours) to full day (four or more hours).

STUDENT DEBT AT GENERAL ACADEMIC INSTITUTIONS & COMMUNITY COLLEGES

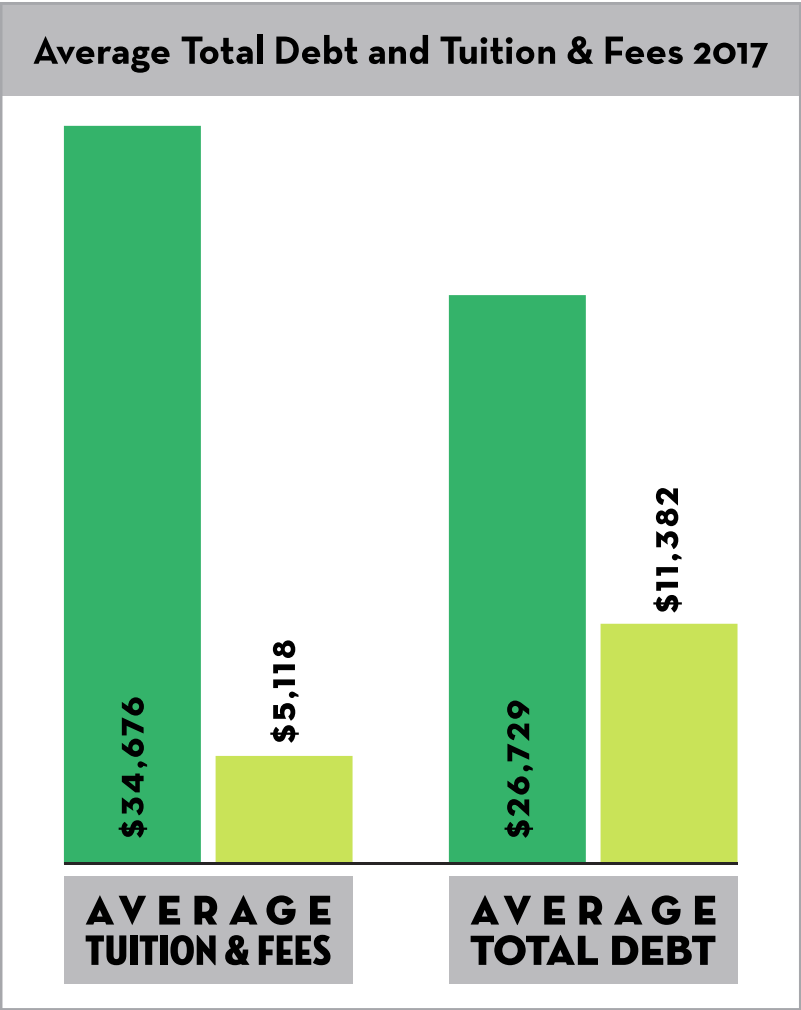
GENERAL ACADEMIC INSTITUTION

COMMUNITY COLLEGE

A goal of the state's **60X30TX** plan is to **reduce student debt** as a way to **increase student access and persistence**. As outlined in the plan, one component of doing so is **balancing higher education financing** among appropriations, tuition & fees, and financial aid.

Available data shows that the **relationship between average total debt and average tuition & fees** paid among students that graduated with debt differs between Texas' General Academic Institutions (GAIs) and Community Colleges. The adjacent graph outlines the average total debt and average tuition & fees paid per 120 Semester Credit Hours for GAI students and 60 Semester Credit Hours for Community College students in fiscal year 2017.

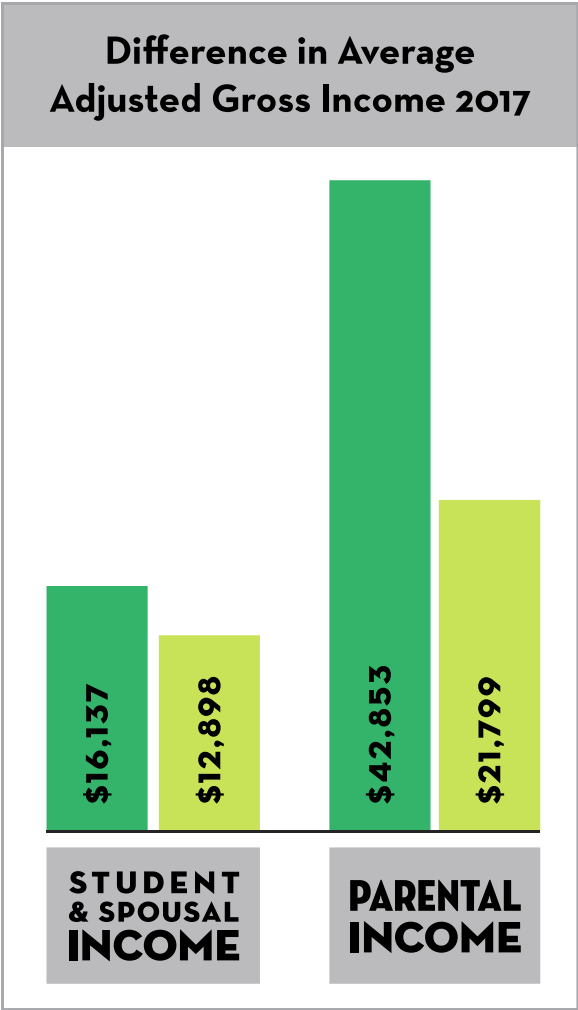
As shown in the graph, GAI students take on roughly **\$8,000 less debt than the cost of tuition** to obtain a bachelor's degree, while Community College students take on roughly **\$6,000 more debt than the cost of tuition** to obtain an associate's degree.



Source: Texas Higher Education Coordinating Board.

The difference in debt composition is associated with a **difference in the personal, spousal, and parental average adjusted gross income** of those GAI and Community College students that applied for FAFSA/TASFA or received a tuition waiver, exemption, or other financial aid.

As shown in the graph, the difference in parental income is **greater than** the difference in student and spousal income.



Source: Texas Higher Education Coordinating Board

Public Community/Junior Colleges
Contracting Highlights - House

As of 8/31/2018, all Public Community/Junior Colleges had 630 active procurement contracts valued at \$595.4 million and 10 revenue generating contracts worth \$13.3 million.

Summary of Contracts Awarded in Fiscal Years 2017-2018 and Reported to LBB Contracts Database¹

(Dollar values rounded to the nearest tenth of a million)

	Number	Total Value	Average Value	% of total
Procurement Contracts	1,772	\$ 588.8	\$ 0.3	100%

Award Method

Total Competitive Contracts	1,494	\$ 529.9	\$ 0.4	90.0%
Total Non-Competitive	278	\$ 58.9	\$ 0.2	10.0%
Emergency	14	\$ 2.4	\$ 0.2	0.4%
Sole Source	174	\$ 40.1	\$ 0.2	6.8%
Interagency Agreement	90	\$ 16.4	\$ 0.2	2.8%

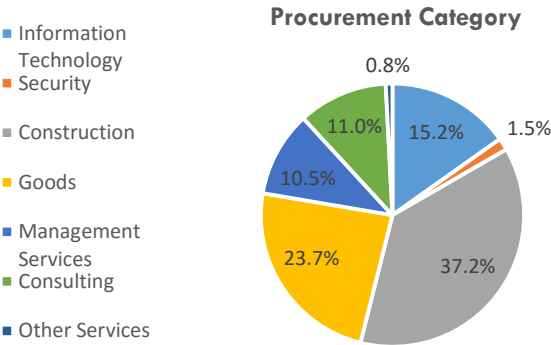
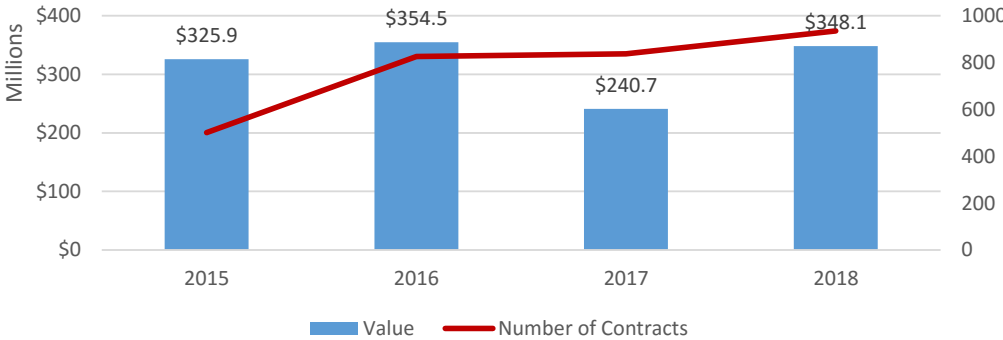
Procurement Category

Information Technology	418	\$ 89.4	\$ 0.2	15.2%
Security	30	\$ 8.8	\$ 0.3	1.5%
Construction	230	\$ 219.3	\$ 1.0	37.2%
Goods	423	\$ 139.8	\$ 0.3	23.7%
Management Services	72	\$ 61.8	\$ 0.9	10.5%
Consulting	126	\$ 64.8	\$ 0.5	11.0%
Other Services	473	\$ 4.9	\$ 0.0	0.8%

Revenue Generating Contracts	16	\$ 10.4	\$ 0.6	100.0%
Competitive	14	\$ 9.9	\$ 0.7	95.8%
Non-competitive	2	\$ 0.4	\$ 0.2	4.2%

¹These figures reflect the total value of reported contracts awarded in FY 17-18 and reported to the LBB contracts database. Values can include planned expenditures for subsequent years and represent the amounts contracted which may include funds from sources other than appropriated or General Revenue Funds. INDEF represents contracts without a completion date.

Contracts Awarded By Fiscal Year



Public Community/Junior Colleges
Items Not Included in Recommendations - House

	2020-21 Biennial Total			Information Technology Involved?	Contracting Involved?	Estimated Continued Cost 2022-23
	GR & GR-D	All Funds	FTEs			

Agency Exceptional Items Not Included (in priority order for each institution):

1)	Blinn College - Star of Republic Museum	\$79,200	\$79,200	NA	N	N	\$79,200
1)	Houston Community College - Flood Water Rescue Training Facility	\$12,000,000	\$12,000,000	NA	N	Y	\$0
1)	Lone Star College System - Kingwood College Campus - Hurricane Harvey Damages (see Section 3)	\$15,000,000	\$15,000,000	NA	Y	Y	\$0
1)	South Texas College - Regional Center of Public Safety and Excellence	\$6,903,876	\$6,903,876	NA	Y	Y	\$0
2)	South Texas College - Edcouch or Elsa Instructional Program (see Section 3)	\$3,929,782	\$3,929,782	NA	Y	Y	\$0
1)	Texas Southmost College - Workforce Center for Border Security	\$1,000,000	\$1,000,000	NA	Y	Y	\$300,000

TOTAL Items Not Included in Recommendations		\$38,912,858	\$38,912,858	-			\$379,200
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**Public Community/Junior Colleges
Appendices - House**

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* Appendix is not included - no significant information to report

** Appendix is included in a separate Summary of Recommendations

Appendix B

Student Success Points Data (Average 2015 through 2017) - House

	Developmental Education Completion			Credits Completed		Transfer	Completion of First College-Level Course			Earn a Degree/Certificate		Total Points	Percent of Total
	Math 1 Point	Reading 0.5 Point	Writing 0.5 Point	15 SCHs 1 Point	30 SCHs 1 Point	Transfer to 4-Year University (After completing 15 SCHs) 2 Points	Math 1 Point	Reading 0.5 Point	Writing 0.5 point	Non-critical Field 2 Points	Critical Field 2.25 Points		
Alamo Community College	2,528.3	2,740.0	2,354.0	16,364.3	10,454.3	5,950.7	9,747.3	10,823.3	10,689.3	10,090.7	1,458.7	83,201.0	7.48%
Alvin Community College	183.7	202.3	195.3	1,725.7	1,074.0	549.7	821.3	2,042.0	1,112.3	825.7	250.7	8,982.7	0.81%
Amarillo College	485.0	390.3	378.3	2,972.0	1,791.7	1,137.7	1,835.3	3,039.3	2,336.3	1,281.7	600.3	16,248.0	1.46%
Angelina College	270.3	192.7	229.3	1,563.0	861.3	568.3	707.3	1,556.0	1,606.0	427.3	349.3	8,331.0	0.75%
Austin Community College	1,330.3	971.7	863.0	11,966.7	6,331.0	3,907.3	9,113.0	14,726.0	14,725.0	3,937.0	1,042.3	68,913.3	6.20%
Blinn College	575.7	467.3	497.0	7,407.0	4,642.0	3,114.0	4,814.0	7,289.0	2,934.0	1,551.0	374.7	33,665.7	3.03%
Brazosport College	125.7	62.0	60.7	1,282.3	765.7	396.3	515.0	957.0	819.0	617.3	182.0	5,783.0	0.52%
Central Texas College	316.0	409.3	385.3	4,041.0	2,174.7	1,409.3	2,462.7	4,710.0	3,113.7	1,946.7	324.7	21,293.3	1.91%
Cisco Junior College	191.0	170.3	158.3	1,229.0	696.0	456.0	624.0	1,150.3	925.7	439.0	121.7	6,161.3	0.55%
Clarendon College	105.0	120.3	97.7	559.0	313.7	174.0	300.0	469.3	375.0	199.7	64.0	2,777.7	0.25%
Coastal Bend College	217.7	295.0	270.3	1,482.7	776.7	442.7	631.3	1,468.7	1,121.3	422.3	228.0	7,356.7	0.66%
College Of The Mainland	164.7	101.3	99.3	1,281.7	668.0	436.7	552.3	1,363.3	1,301.0	553.7	172.7	6,694.7	0.60%
Collin County Community College	885.0	806.0	747.3	8,548.3	5,303.0	3,010.7	5,522.7	11,060.7	10,769.0	3,701.7	418.3	50,772.7	4.56%
Dallas County Community College	2,646.0	2,815.0	2,621.7	17,768.3	10,819.7	5,277.3	11,571.0	20,677.3	16,898.3	9,943.3	1,674.3	102,712.3	9.23%
Del Mar College	360.0	347.3	134.3	3,141.3	1,903.0	848.3	1,790.0	2,677.0	2,105.7	1,235.7	407.3	14,950.0	1.34%
El Paso Community College	1,963.3	2,471.0	2,149.7	8,133.7	5,346.3	2,933.0	5,405.0	7,595.7	7,023.3	4,588.7	598.7	48,208.3	4.33%
Frank Phillips College	85.0	77.0	82.7	538.3	281.3	177.3	442.7	504.3	425.7	129.3	47.7	2,791.3	0.25%
Galveston College	77.7	82.7	83.0	733.0	410.0	228.3	336.0	439.7	420.3	330.7	210.3	3,351.7	0.30%
Grayson County College	207.3	171.0	167.7	1,471.7	900.0	476.7	576.3	1,388.7	884.0	490.3	301.7	7,035.3	0.63%
Hill College	160.7	126.3	127.3	1,384.3	782.7	548.3	985.3	1,403.3	1,327.7	558.3	50.7	7,455.0	0.67%
Houston Community College	3,081.0	2,455.0	2,426.3	15,879.3	10,058.0	4,442.7	8,382.0	15,238.0	12,786.3	7,576.0	1,046.0	83,370.7	7.50%
Howard College	165.7	117.3	116.0	1,190.0	563.7	492.0	630.7	1,268.0	886.3	392.0	167.3	5,989.0	0.54%
Kilgore College	267.0	219.7	253.0	1,772.3	1,107.0	583.3	872.7	1,729.0	1,322.0	950.0	308.3	9,384.3	0.84%
Laredo Community College	592.3	459.0	370.7	2,266.7	1,511.0	765.7	1,664.3	2,050.0	2,050.0	1,065.3	415.7	13,210.7	1.19%
Lee College	127.0	245.3	219.0	2,257.3	1,397.0	448.7	737.7	1,037.0	1,354.3	1,198.7	513.0	9,535.0	0.86%
Lone Star College System	3,423.3	3,757.7	3,608.0	19,694.3	11,731.3	6,252.3	11,052.3	17,797.0	16,042.0	7,269.7	1,460.7	102,088.7	9.18%
McLennan Community College	467.3	261.0	285.3	2,497.3	1,570.3	879.7	1,218.0	2,417.0	1,759.7	1,383.7	362.7	13,102.0	1.18%
Midland College	313.0	123.3	125.7	1,680.3	894.3	534.3	870.7	1,787.0	1,419.3	569.0	183.7	8,500.7	0.76%
Navarro College	589.3	474.3	427.3	2,985.7	1,893.3	1,108.3	1,648.7	2,311.7	2,182.0	1,141.0	411.7	15,173.3	1.36%
North Central Texas College	576.0	343.0	355.0	2,948.0	1,745.0	1,196.0	1,610.7	3,078.3	2,368.7	921.3	305.0	15,447.0	1.39%
Northeast Texas Community College	189.7	157.7	200.0	996.7	642.0	332.3	406.0	717.3	499.7	354.0	165.7	4,661.0	0.42%
Odessa College	318.3	203.0	208.7	1,803.7	1,035.7	494.7	889.3	1,183.3	1,043.3	758.3	218.3	8,156.7	0.73%
Panola College	174.7	108.7	114.3	869.7	575.0	236.7	332.7	704.3	518.3	269.3	257.3	4,161.0	0.37%
Paris Junior College	446.3	226.7	224.3	1,738.3	1,129.0	703.3	1,037.0	1,448.7	1,261.7	773.0	248.3	9,236.7	0.83%
Ranger College	166.3	118.3	127.0	854.7	486.3	314.7	420.7	711.3	609.7	182.0	75.3	4,066.3	0.37%
San Jacinto College	2,067.7	1,534.7	1,455.3	8,610.3	5,994.7	2,565.0	5,559.3	8,294.7	4,556.0	4,951.3	1,564.0	47,153.0	4.24%
South Plains College	392.3	391.0	274.3	3,084.7	1,868.7	1,184.7	1,596.3	3,062.3	2,661.0	1,167.3	231.0	15,913.7	1.43%

Appendix B

Student Success Points Data (Average 2015 through 2017) - House

	Developmental Education Completion			Credits Completed		Transfer	Completion of First College-Level Course			Earn a Degree/Certificate		Total Points	Percent of Total
	Math 1 Point	Reading 0.5 Point	Writing 0.5 Point	15 SCHs 1 Point	30 SCHs 1 Point	Transfer to 4-Year University (After completing 15 SCHs) 2 Points	Math 1 Point	Reading 0.5 Point	Writing 0.5 point	Non-critical Field 2 Points	Critical Field 2.25 Points		
South Texas College	1,698.7	1,454.3	1,454.0	9,599.7	5,839.0	2,941.0	6,091.7	7,810.0	6,612.7	3,832.3	1,920.3	49,253.7	4.43%
Southwest Texas Junior College	411.0	460.7	381.0	1,779.0	1,000.7	655.3	1,029.3	1,641.3	1,340.3	900.3	83.0	9,682.0	0.87%
Tarrant County College	3,185.0	2,175.3	1,699.3	14,876.3	9,174.7	5,299.3	9,962.0	17,464.0	12,104.0	6,490.0	908.0	83,338.0	7.49%
Temple College	360.3	207.3	210.7	1,564.7	956.7	583.3	847.7	1,841.3	1,879.3	575.0	214.7	9,241.0	0.83%
Texarkana College	174.7	122.0	147.7	1,363.3	851.7	390.0	786.0	1,201.3	925.7	857.0	284.7	7,104.0	0.64%
Texas Southmost College	361.7	334.3	271.3	1,180.3	682.0	260.3	1,149.7	1,279.3	1,173.0	429.7	160.3	7,282.0	0.65%
Trinity Valley Community College	841.0	228.0	251.0	2,451.3	1,384.3	808.7	1,251.0	2,056.7	1,616.0	1,317.0	493.0	12,698.0	1.14%
Tyler Junior College	665.0	728.7	494.3	3,578.3	2,289.0	1,239.0	1,926.0	3,676.3	2,678.3	1,551.3	597.7	19,424.0	1.75%
Vernon College	143.3	107.3	112.7	1,080.7	683.0	352.0	584.7	811.0	724.0	304.7	293.3	5,196.7	0.47%
Victoria College	383.3	207.7	217.7	1,091.0	663.0	366.7	686.0	1,218.3	890.3	451.0	245.3	6,420.3	0.58%
Weatherford College	334.7	214.3	255.3	1,848.0	1,095.0	690.0	819.0	1,440.7	1,448.0	675.3	322.0	9,142.3	0.82%
Western Texas College	173.7	115.0	120.7	739.3	386.3	276.7	681.3	749.3	748.7	285.7	82.0	4,358.7	0.39%
Wharton County Junior College	468.3	294.7	279.0	2,367.0	1,602.7	974.7	1,736.7	2,040.3	2,411.3	963.3	216.0	13,354.0	1.20%
Statewide Total:	35,436.3	30,864.3	28,387.3	208,241.7	127,105.3	69,414.0	125,232.7	203,406.0	168,784.7	92,824.7	22,632.3	1,112,329.3	100%
Percent of all Success Points:	3.19%	2.77%	2.55%	18.72%	11.43%	6.24%	11.26%	18.29%	15.17%	8.35%	2.03%		100%

Term	Methodology
Developmental Education Completion	Only students who are not ready in math, reading, and/or writing as first time undergraduates can potentially qualify for student success points in this category. The time period for completing developmental work is the fiscal year being measured and the two previous years (three total). If a student successfully completes developmental work in the fiscal year being measured, then one point is awarded for math completion, 0.5 point for reading completion, and 0.5 point for writing completion.
Complete 15/30 Semester Credit Hours (SCHs)	If a student successfully completes at least 15 SHCs and/or 30 SCHs at the same institution during the fiscal year being measured, then one point is awarded for completion of 15 hours and one point is awarded for completion of 30 hours. The time period for this measure is the fiscal year being measured and the three previous years (four years total).
Transfer to a four-year institution with 15 SCHs	If a student has successfully completed at least 15 SCHs at the same institution and a record is found by the Coordinating Board at a Texas public/private four year institution in the fiscal year being measured, then two points are awarded. The time period for this measure is the fiscal year being measured and the three previous fiscal years.
Completion of First College-Level Course	If a student successfully completes the first college level math, reading, and/or writing course with a letter grade of "A", "B", or C" in the fiscal year measured, then one point is awarded for completion of the math course, 0.5 point for the completion of the reading course, and 0.5 point for completion of the writing course.
Earn a Degree or Certificate	If a student earns a Bachelor's of Applied Technology, an Associate's degree, a Level 1 or Level 2 Certificate, an Advanced Technology Certificate, or completes the Core Curriculum during the fiscal year being measured, then two points are awarded. If a student completes a degree or certificate in a Critical Field (as defined by THECB) then 2.25 points are awarded.

Appendix G

Summary of 2018-19 Appropriations by Category of Funds - House

2018-19 General Revenue Appropriations							
		Contact Hour Formula	Success Points Formula	Core Operations	Non-Formula Support Items	B.A.T.	TOTAL
1	Alamo Community College	\$ 104,023,310	\$ 14,388,721	\$ 1,360,812	\$ 8,116,800	\$ -	\$ 127,889,643
2	Alvin Community College	\$ 13,058,569	\$ 1,442,489	\$ 1,360,812	-	-	\$ 15,861,870
3	Amarillo College	\$ 22,933,585	\$ 2,741,856	\$ 1,360,812	-	-	\$ 27,036,253
4	Angelina College	\$ 12,290,120	\$ 1,279,480	\$ 1,360,812	-	-	\$ 14,930,412
5	Austin Community College	\$ 75,828,934	\$ 10,296,317	\$ 1,360,812	5,437,800	-	\$ 92,923,863
6	Blinn College	\$ 39,589,728	\$ 5,465,141	\$ 1,360,812	820,800	-	\$ 47,236,481
7	Brazosport College	\$ 8,107,679	\$ 1,010,534	\$ 1,360,812	-	442,182	\$ 10,921,207
8	Central Texas College	\$ 28,227,606	\$ 3,641,349	\$ 1,360,812	-	-	\$ 33,229,767
9	Cisco Junior College	\$ 7,579,737	\$ 1,036,468	\$ 1,360,812	-	-	\$ 9,977,017
10	Clarendon College	\$ 3,872,747	\$ 437,202	\$ 1,360,812	-	-	\$ 5,670,761
11	Coastal Bend College	\$ 11,849,299	\$ 1,115,213	\$ 1,360,812	-	-	\$ 14,325,324
12	College Of The Mainland	\$ 9,771,517	\$ 1,067,906	\$ 1,360,812	-	-	\$ 12,200,235
13	Collin County Community College	\$ 62,168,936	\$ 7,470,255	\$ 1,360,812	-	-	\$ 71,000,003
14	Dallas County Community College	\$ 157,958,106	\$ 16,126,290	\$ 1,360,812	3,856,647	-	\$ 179,301,855
15	Del Mar College	\$ 27,948,680	\$ 2,425,975	\$ 1,360,812	-	-	\$ 31,735,467
16	El Paso Community College	\$ 54,150,332	\$ 8,078,685	\$ 1,360,812	-	-	\$ 63,589,829
17	Frank Phillips College	\$ 3,520,190	\$ 404,991	\$ 1,360,812	-	-	\$ 5,285,993
18	Galveston College	\$ 6,202,269	\$ 608,116	\$ 1,360,812	-	-	\$ 8,171,197
19	Grayson County College	\$ 11,024,306	\$ 1,287,401	\$ 1,360,812	638,400	-	\$ 14,310,919
20	Hill College	\$ 10,166,023	\$ 1,226,741	\$ 1,360,812	650,256	-	\$ 13,403,832
21	Houston Community College	\$ 121,373,150	\$ 13,483,924	\$ 1,360,812	-	-	\$ 136,217,886
22	Howard College	\$ 10,370,929	\$ 989,376	\$ 1,360,812	6,652,806	-	\$ 19,373,923
23	Kilgore College	\$ 16,458,906	\$ 1,637,694	\$ 1,360,812	-	-	\$ 19,457,412

Appendix G

Summary of 2018-19 Appropriations by Category of Funds - House

2018-19 General Revenue Appropriations							
		Contact Hour Formula	Success Points Formula	Core Operations	Non-Formula Support Items	B.A.T.	TOTAL
24	Laredo Community College	\$ 17,046,189	\$ 2,153,154	\$ 1,360,812	297,188	-	\$ 20,857,343
25	Lee College	\$ 16,817,846	\$ 1,659,782	\$ 1,360,812	-	-	\$ 19,838,440
26	Lone Star College System	\$ 139,187,216	\$ 15,365,201	\$ 1,360,812	-	-	\$ 155,913,229
27	Mclennan Community College	\$ 21,089,006	\$ 2,236,703	\$ 1,360,812	-	-	\$ 24,686,521
28	Midland College	\$ 13,400,612	\$ 1,320,240	\$ 1,360,812	648,113	182,990	\$ 16,912,767
29	Navarro College	\$ 23,973,180	\$ 2,770,749	\$ 1,360,812	-	-	\$ 28,104,741
30	North Central Texas College	\$ 17,642,133	\$ 2,617,576	\$ 1,360,812	-	-	\$ 21,620,521
31	Northeast Texas Community College	\$ 7,298,900	\$ 806,023	\$ 1,360,812	-	-	\$ 9,465,735
32	Odessa College	\$ 14,106,936	\$ 1,272,375	\$ 1,360,812	-	-	\$ 16,740,123
33	Panola College	\$ 8,104,061	\$ 682,501	\$ 1,360,812	-	-	\$ 10,147,374
34	Paris Junior College	\$ 12,594,012	\$ 1,672,820	\$ 1,360,812	-	-	\$ 15,627,644
35	Ranger College	\$ 5,823,296	\$ 610,189	\$ 1,360,812	-	-	\$ 7,794,297
36	San Jacinto College	\$ 68,478,993	\$ 7,730,551	\$ 1,360,812	-	-	\$ 77,570,356
37	South Plains College	\$ 23,243,124	\$ 2,610,371	\$ 1,360,812	-	-	\$ 27,214,307
38	South Texas College	\$ 68,767,300	\$ 8,179,933	\$ 1,360,812	-	2,143,980	\$ 80,452,025
39	Southwest Texas Junior College	\$ 12,080,473	\$ 1,494,471	\$ 1,360,812	-	-	\$ 14,935,756
40	Tarrant County College	\$ 95,873,048	\$ 13,457,089	\$ 1,360,812	-	-	\$ 110,690,949
41	Temple College	\$ 11,324,282	\$ 1,456,271	\$ 1,360,812	-	-	\$ 14,141,365
42	Texarkana College	\$ 11,867,103	\$ 1,169,740	\$ 1,360,812	-	-	\$ 14,397,655
43	Texas Southmost College	\$ 8,049,981	\$ 1,064,532	\$ 1,360,812	-	-	\$ 10,475,325
44	Trinity Valley Community College	\$ 19,871,770	\$ 2,236,546	\$ 1,360,812	-	-	\$ 23,469,128
45	Tyler Junior College	\$ 28,942,253	\$ 3,235,958	\$ 1,360,812	-	-	\$ 33,539,023
46	Vernon College	\$ 8,900,124	\$ 927,543	\$ 1,360,812	-	-	\$ 11,188,479

Appendix G

Summary of 2018-19 Appropriations by Category of Funds - House

2018-19 General Revenue Appropriations						
	Contact Hour Formula	Success Points Formula	Core Operations	Non-Formula Support Items	B.A.T.	TOTAL
47	Victoria College	\$ 8,841,601	\$ 1,043,030	\$ -	-	\$ 11,245,443
48	Weatherford College	\$ 14,014,850	\$ 1,548,269	\$ 1,360,812	-	\$ 16,923,931
49	Western Texas College	\$ 5,661,313	\$ 748,022	\$ 1,360,812	-	\$ 7,770,147
50	Wharton County Junior College	\$ 15,161,538	\$ 2,223,922	\$ 1,360,812	-	\$ 18,746,272
Total		\$ 1,516,635,798	\$ 179,955,685	\$ 68,040,600	\$ 27,118,809	\$ 2,769,152
						\$ 1,794,520,044

Appendix H

2020-21 Formula Allocations Compared to 2018-19 Base - House

		2018-19 Baseline	Recommendations for Fiscal Years 2020-21					Biennial Change		
		Total	CH Formula	Success Points	Core Operations	Non-Formula Support Items	B.A.T.	TOTAL	Dollars	Percent
1	Alamo Community College	\$ 127,889,643	\$ 105,365,092	\$ 15,056,339	\$ 1,360,812	\$ 8,116,800	\$ -	\$ 129,899,043	\$ 2,009,400	1.57%
2	Alvin Community College	\$ 15,861,870	\$ 12,277,370	\$ 1,526,067	\$ 1,360,812	-	-	\$ 15,164,249	(697,621)	-4.40%
3	Amarillo College	\$ 27,036,253	\$ 25,764,145	\$ 2,804,217	\$ 1,360,812	-	-	\$ 29,929,174	2,892,921	10.70%
4	Angelina College	\$ 14,930,412	\$ 11,466,347	\$ 1,367,547	\$ 1,360,812	2,500,000	-	\$ 16,694,706	1,764,294	11.82%
5	Austin Community College	\$ 92,923,863	\$ 74,582,689	\$ 10,708,271	\$ 1,360,812	5,437,800	-	\$ 92,089,572	(834,291)	-0.90%
6	Blinn College	\$ 47,236,481	\$ 39,421,639	\$ 5,696,644	\$ 1,360,812	820,800	-	\$ 47,299,895	63,414	0.13%
7	Brazosport College	\$ 10,921,207	\$ 7,992,655	\$ 1,042,187	\$ 1,360,812	1,000,000	400,470	\$ 11,796,124	874,917	8.01%
8	Central Texas College	\$ 33,229,767	\$ 26,850,443	\$ 3,559,144	\$ 1,360,812	-	-	\$ 31,770,399	(1,459,368)	-4.39%
9	Cisco Junior College	\$ 9,977,017	\$ 8,090,489	\$ 1,030,392	\$ 1,360,812	-	-	\$ 10,481,693	504,676	5.06%
10	Clarendon College	\$ 5,670,761	\$ 4,027,316	\$ 463,235	\$ 1,360,812	-	-	\$ 5,851,363	180,602	3.18%
11	Coastal Bend College	\$ 14,325,324	\$ 10,322,943	\$ 1,188,726	\$ 1,360,812	-	-	\$ 12,872,481	(1,452,843)	-10.14%
12	College Of The Mainland	\$ 12,200,235	\$ 10,228,278	\$ 1,109,695	\$ 1,360,812	-	-	\$ 12,698,785	498,550	4.09%
13	Collin County Community College	\$ 71,000,003	\$ 65,535,598	\$ 7,945,957	\$ 1,360,812	-	-	\$ 74,842,367	3,842,364	5.41%
14	Dallas County Community College	\$ 179,301,855	\$ 166,678,812	\$ 16,901,861	\$ 1,360,812	3,856,646	-	\$ 188,798,131	9,496,277	5.30%
15	Del Mar College	\$ 31,735,467	\$ 27,663,924	\$ 2,558,103	\$ 1,360,812	-	-	\$ 31,582,839	(152,628)	-0.48%
16	El Paso Community College	\$ 63,589,829	\$ 53,840,983	\$ 8,038,955	\$ 1,360,812	-	-	\$ 63,240,750	(349,079)	-0.55%
17	Frank Phillips College	\$ 5,285,993	\$ 3,332,390	\$ 448,238	\$ 1,360,812	-	-	\$ 5,141,440	(144,553)	-2.73%
18	Galveston College	\$ 8,171,197	\$ 6,814,173	\$ 628,031	\$ 1,360,812	-	-	\$ 8,803,016	631,819	7.73%
19	Grayson County College	\$ 14,310,919	\$ 10,804,278	\$ 1,213,559	\$ 1,360,812	638,400	-	\$ 14,017,049	(293,870)	-2.05%
20	Hill College	\$ 13,403,832	\$ 10,525,092	\$ 1,223,667	\$ 1,360,812	650,256	-	\$ 13,759,827	355,995	2.66%
21	Houston Community College	\$ 136,217,886	\$ 116,374,502	\$ 13,766,508	\$ 1,360,812	-	-	\$ 131,501,822	(4,716,064)	-3.46%
22	Howard College	\$ 19,373,923	\$ 10,957,978	\$ 1,010,191	\$ 1,360,812	6,652,806	-	\$ 19,981,787	607,864	3.14%
23	Kilgore College	\$ 19,457,412	\$ 14,733,807	\$ 1,636,879	\$ 1,360,812	-	-	\$ 17,731,498	(1,725,914)	-8.87%
24	Laredo Community College	\$ 20,857,343	\$ 18,697,171	\$ 2,246,796	\$ 1,360,812	297,188	-	\$ 22,601,967	1,744,624	8.36%
25	Lee College	\$ 19,838,440	\$ 17,011,831	\$ 1,783,475	\$ 1,360,812	-	-	\$ 20,156,118	317,678	1.60%
26	Lone Star College System	\$ 155,913,229	\$ 144,036,875	\$ 16,612,686	\$ 1,360,812	-	-	\$ 162,010,373	6,097,144	3.91%
27	Mclennan Community College	\$ 24,686,521	\$ 20,748,744	\$ 2,308,686	\$ 1,360,812	-	-	\$ 24,418,242	(268,279)	-1.09%
28	Midland College	\$ 16,912,767	\$ 11,604,407	\$ 1,390,636	\$ 1,360,812	648,113	177,664	\$ 15,181,632	(1,731,135)	-10.24%
29	Navarro College	\$ 28,104,741	\$ 22,843,265	\$ 2,614,474	\$ 1,360,812	-	-	\$ 26,818,551	(1,286,190)	-4.58%

Appendix H

2020-21 Formula Allocations Compared to 2018-19 Base - House

		2018-19 Baseline	Recommendations for Fiscal Years 2020-21						Biennial Change	
		Total	CH Formula	Success Points	Core Operations	Non-Formula Support Items	B.A.T.	TOTAL	Dollars	Percent
30	North Central Texas College	\$ 21,620,521	\$ 18,484,121	\$ 2,551,598	\$ 1,360,812	-	-	\$ 22,396,531	776,010	3.59%
31	Northeast Texas Community College	\$ 9,465,735	\$ 7,422,686	\$ 817,832	\$ 1,360,812	-	-	\$ 9,601,330	135,595	1.43%
32	Odessa College	\$ 16,740,123	\$ 14,356,474	\$ 1,434,812	\$ 1,360,812	-	-	\$ 17,152,098	411,975	2.46%
33	Panola College	\$ 10,147,374	\$ 7,762,593	\$ 731,838	\$ 1,360,812	-	-	\$ 9,855,243	(292,131)	-2.88%
34	Paris Junior College	\$ 15,627,644	\$ 12,407,846	\$ 1,619,980	\$ 1,360,812	-	-	\$ 15,388,638	(239,006)	-1.53%
35	Ranger College	\$ 7,794,297	\$ 5,456,102	\$ 664,616	\$ 1,360,812	-	-	\$ 7,481,530	(312,767)	-4.01%
36	San Jacinto College	\$ 77,570,356	\$ 72,066,133	\$ 8,355,566	\$ 1,360,812	-	-	\$ 81,782,511	4,212,155	5.43%
37	South Plains College	\$ 27,214,307	\$ 22,394,866	\$ 2,635,147	\$ 1,360,812	-	-	\$ 26,390,825	(823,482)	-3.03%
38	South Texas College	\$ 80,452,025	\$ 68,371,294	\$ 8,537,060	\$ 1,360,812	-	2,509,500	\$ 80,778,666	326,641	0.41%
39	Southwest Texas Junior College	\$ 14,935,756	\$ 13,273,920	\$ 1,617,750	\$ 1,360,812	-	-	\$ 16,252,482	1,316,726	8.82%
40	Tarrant County College	\$ 110,690,949	\$ 98,201,258	\$ 13,645,903	\$ 1,360,812	-	-	\$ 113,207,973	2,517,024	2.27%
41	Temple College	\$ 14,141,365	\$ 11,138,060	\$ 1,475,114	\$ 1,360,812	-	-	\$ 13,973,986	(167,379)	-1.18%
42	Texarkana College	\$ 14,397,655	\$ 11,718,832	\$ 1,288,144	\$ 1,360,812	-	-	\$ 14,367,788	(29,867)	-0.21%
43	Texas Southmost College	\$ 10,475,325	\$ 10,682,491	\$ 1,139,732	\$ 1,360,812	-	-	\$ 13,183,035	2,707,710	25.85%
44	Trinity Valley Community College	\$ 23,469,128	\$ 18,369,176	\$ 2,292,717	\$ 1,360,812	-	-	\$ 22,022,705	(1,446,423)	-6.16%
45	Tyler Junior College	\$ 33,539,023	\$ 30,015,388	\$ 3,289,212	\$ 1,360,812	-	28,236	\$ 34,693,648	1,154,625	3.44%
46	Vernon College	\$ 11,188,479	\$ 8,905,476	\$ 916,549	\$ 1,360,812	-	-	\$ 11,182,837	(5,642)	-0.05%
47	Victoria College	\$ 11,245,443	\$ 8,639,564	\$ 1,076,985	\$ 1,360,812	-	-	\$ 11,077,361	(168,082)	-1.49%
48	Weatherford College	\$ 16,923,931	\$ 14,929,970	\$ 1,583,653	\$ 1,360,812	-	-	\$ 17,874,435	950,504	5.62%
49	Western Texas College	\$ 7,770,147	\$ 5,786,693	\$ 713,110	\$ 1,360,812	-	-	\$ 7,860,615	90,468	1.16%
50	Wharton County Junior College	\$ 18,746,272	\$ 14,764,624	\$ 2,238,719	\$ 1,360,812	-	-	\$ 18,364,155	(382,117)	-2.04%
		\$ 1,794,520,044	\$ 1,533,740,803	\$ 186,507,203	\$ 68,040,600	\$ 30,618,809	\$ 3,115,870	\$ 1,822,023,285	\$ 27,503,241	1.53%

Appendix I

2020-21 Formula Funding
Compared to 2018-19 Formula Funding - House

2018-19 Formula Funding		2020-21 Formula Funding	Biennial Change	
			Difference	Percent Change
1	Alamo Community College	\$ 119,772,843	\$ 2,009,400	1.7%
2	Alvin College	\$ 15,861,870	\$ (697,621)	-4.4%
3	Amarillo College	\$ 27,036,253	\$ 2,892,921	10.7%
4	Angelina College	\$ 14,930,412	\$ (735,706)	-4.9%
5	Austin Community College	\$ 87,486,063	\$ (834,291)	-1.0%
6	Blinn College	\$ 46,415,681	\$ 63,414	0.1%
7	Brazosport College	\$ 10,921,207	\$ (125,083)	-1.1%
8	Central Texas College	\$ 33,229,767	\$ (1,459,368)	-4.4%
9	Cisco Junior College	\$ 9,977,017	\$ 504,676	5.1%
10	Clarendon College	\$ 5,670,761	\$ 180,602	3.2%
11	Coastal Bend College	\$ 14,325,324	\$ (1,452,843)	-10.1%
12	College of the Mainland	\$ 12,200,235	\$ 498,550	4.1%
13	Collin County Community College	\$ 71,000,003	\$ 3,842,364	5.4%
14	Dallas County College	\$ 175,445,208	\$ 9,496,277	5.4%
15	Del Mar College	\$ 31,735,467	\$ (152,628)	-0.5%
16	El Paso Community College	\$ 63,589,829	\$ (349,079)	-0.5%
17	Frank Phillips College	\$ 5,285,993	\$ (144,553)	-2.7%
18	Galveston College	\$ 8,171,197	\$ 631,819	7.7%
19	Grayson County College	\$ 13,672,519	\$ (293,870)	-2.1%
20	Hill College	\$ 12,753,576	\$ 355,995	2.8%
21	Houston Community College	\$ 136,217,886	\$ (4,716,064)	-3.5%
22	Howard College	\$ 12,721,117	\$ 607,864	4.8%
23	Kilgore College	\$ 19,457,412	\$ (1,725,914)	-8.9%
24	Laredo College	\$ 20,560,155	\$ 1,744,624	8.5%
25	Lee College	\$ 19,838,440	\$ 317,678	1.6%
26	Lone Star College	\$ 155,913,229	\$ 6,097,144	3.9%
27	McLennan College	\$ 24,686,521	\$ (268,279)	-1.1%
28	Midland College	\$ 16,264,654	\$ (1,731,135)	-10.6%
29	Navarro College	\$ 28,104,741	\$ (1,286,190)	-4.6%
30	North Central Texas College	\$ 21,620,521	\$ 776,010	3.6%
31	Northeast Texas Community College	\$ 9,465,735	\$ 135,595	1.4%
32	Odessa College	\$ 16,740,123	\$ 411,975	2.5%
33	Panola College	\$ 10,147,374	\$ (292,131)	-2.9%
34	Paris Junior College	\$ 15,627,644	\$ (239,006)	-1.5%
35	Ranger College	\$ 7,794,297	\$ (312,767)	-4.0%
36	San Jacinto College	\$ 77,570,356	\$ 4,212,155	5.4%
37	South Plains College	\$ 27,214,307	\$ (823,482)	-3.0%
38	South Texas College	\$ 80,452,025	\$ 326,641	0.4%
39	Southwest Texas	\$ 14,935,756	\$ 1,316,726	8.8%
40	Tarrant County	\$ 110,690,949	\$ 2,517,024	2.3%
41	Temple Junior College	\$ 14,141,365	\$ (167,379)	-1.2%
42	Texarkana College	\$ 14,397,655	\$ (29,867)	-0.2%
43	Texas Southmost College	\$ 10,475,325	\$ 2,707,710	25.8%
44	Trinity Valley Community College	\$ 23,469,128	\$ (1,446,423)	-6.2%
45	Tyler Junior College	\$ 33,539,023	\$ 1,154,625	3.4%
46	Vernon College	\$ 11,188,479	\$ (5,642)	-0.1%
47	Victoria College	\$ 11,245,443	\$ (168,082)	-1.5%
48	Weatherford College	\$ 16,923,931	\$ 950,504	5.6%
49	Western Texas College	\$ 7,770,147	\$ 90,468	1.2%
50	Wharton College	\$ 18,746,272	\$ (382,117)	-2.0%
Total		\$ 1,767,401,235	\$ 1,791,404,476	\$ 24,003,241 0.0%

Appendix J

Summary of Base Period Contact Hours - House

		2018-19 Base	2020-21 Intro*	Difference	% Change from 2018-19
1	Alamo Community College	19,688,502	19,999,885	311,383	1.58%
2	Alvin Community College	2,366,492	2,221,887	(144,605)	-6.11%
3	Amarillo College	4,016,803	4,557,945	541,142	13.47%
4	Angelina College	2,132,217	1,977,930	(154,287)	-7.24%
5	Austin Community College	14,250,949	14,015,938	(235,011)	-1.65%
6	Blinn College	7,583,571	7,557,048	(26,523)	-0.35%
7	Brazosport College	1,530,121	1,495,090	(35,031)	-2.29%
8	Central Texas College	5,228,740	4,920,863	(307,877)	-5.89%
9	Cisco Junior College	1,348,820	1,434,472	85,652	6.35%
10	Clarendon College	696,955	732,284	35,329	5.07%
11	Coastal Bend	2,072,302	1,762,241	(310,061)	-14.96%
12	Coll. Mainland	1,776,357	1,871,010	94,653	5.33%
13	Collin County CC	11,821,614	12,534,822	713,208	6.03%
14	Dallas County Community College	29,537,290	31,088,717	1,551,427	5.25%
15	Del Mar College	4,952,175	4,875,522	(76,653)	-1.55%
16	El Paso Community College	10,195,346	10,165,813	(29,533)	-0.29%
17	Frank Phillips	666,208	627,975	(38,233)	-5.74%
18	Galveston College	1,053,898	1,142,200	88,302	8.38%
19	Grayson County College	1,937,444	1,882,001	(55,443)	-2.86%
20	Hill College	1,915,053	1,983,889	68,836	3.59%
21	Houston College	23,137,104	22,065,838	(1,071,266)	-4.63%
22	Howard College	1,840,607	1,903,673	63,066	3.43%
23	Kilgore College	2,947,463	2,647,184	(300,279)	-10.19%
24	Laredo Community College	3,107,285	3,413,335	306,050	9.85%
25	Lee College	3,090,472	3,121,188	30,716	0.99%
26	Lone Star College	26,242,292	27,317,597	1,075,305	4.10%
27	McLennan College	3,793,975	3,775,521	(18,454)	-0.49%
28	Midland College	2,436,907	2,075,249	(361,658)	-14.84%
29	Navarro College	4,296,220	4,110,131	(186,089)	-4.33%
30	North Central Texas	3,272,022	3,431,088	159,066	4.86%
31	Northeast Texas CC	1,310,889	1,317,472	6,583	0.50%
32	Odessa College	2,550,340	2,597,243	46,903	1.84%
33	Panola College	1,391,539	1,324,514	(67,025)	-4.82%
34	Paris Junior College	2,314,733	2,259,790	(54,943)	-2.37%
35	Ranger Junior College	1,065,430	997,674	(67,756)	-6.36%
36	San Jacinto College	12,518,936	13,161,701	642,765	5.13%
37	South Plains College	4,246,968	4,093,605	(153,363)	-3.61%
38	South Texas CC	12,614,772	12,572,227	(42,545)	-0.34%
39	Southwest Texas	2,238,064	2,447,454	209,390	9.36%
40	Tarrant County	18,036,259	18,505,566	469,307	2.60%
41	Temple Junior College	2,012,006	1,974,659	(37,347)	-1.86%
42	Texarkana College	2,113,662	2,090,047	(23,615)	-1.12%
43	Texas Southmost	1,520,174	2,028,083	507,909	33.41%
44	Trinity Valley	3,601,761	3,326,249	(275,512)	-7.65%
45	Tyler Junior College	5,121,884	5,297,045	175,161	3.42%
46	Vernon College	1,501,853	1,500,746	(1,107)	-0.07%
47	Victoria College	1,549,030	1,511,044	(37,986)	-2.45%
48	Weatherford College	2,417,601	2,578,653	161,052	6.66%
49	Western Texas College	1,082,592	1,104,421	21,829	2.02%
50	Wharton College	2,798,144	2,713,846	(84,298)	-3.01%
Total		280,941,841	284,110,375	3,168,534	1.13%

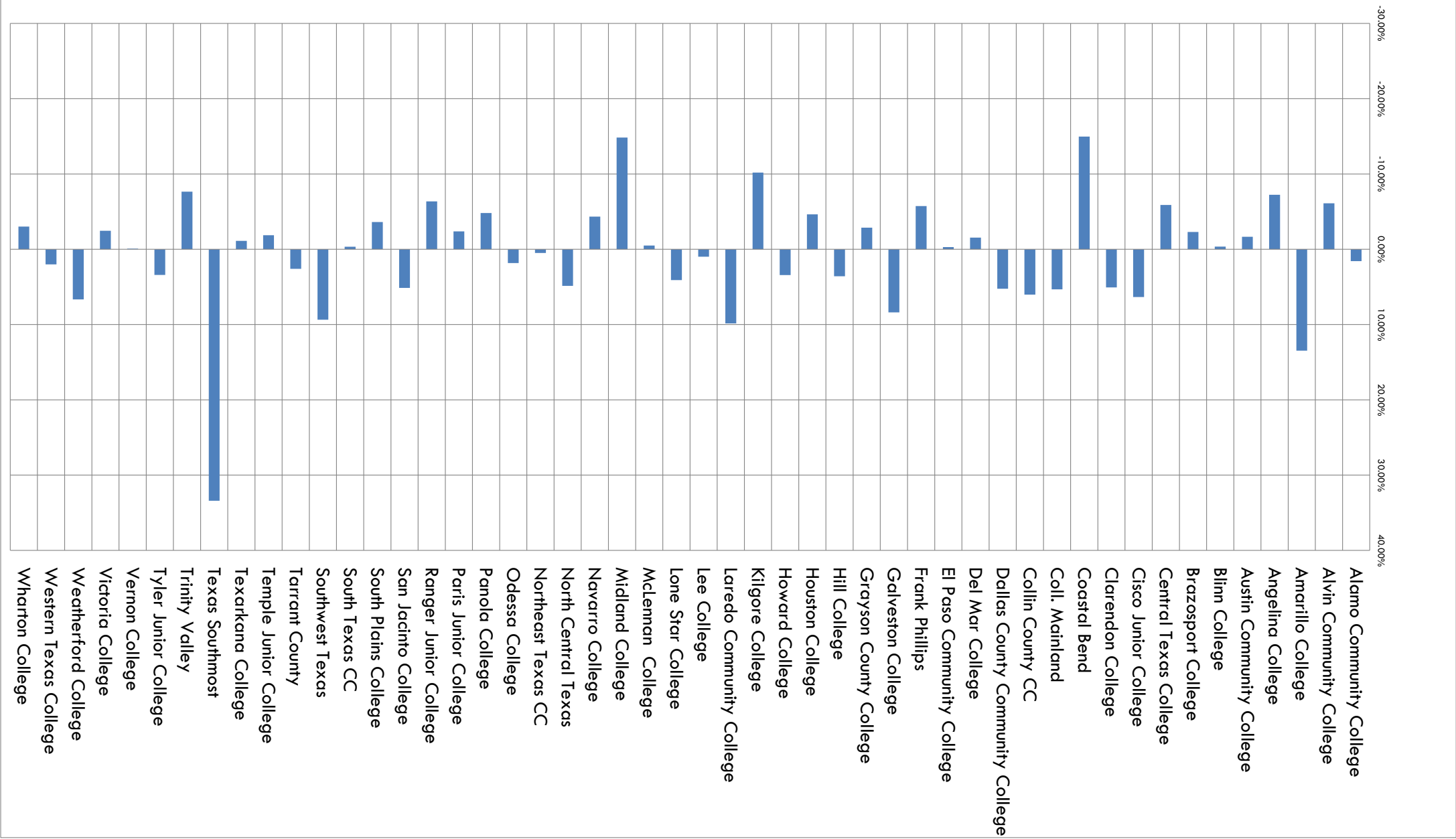
*Does not include BAT SCH

Number of Districts Contracting:
Number of Districts Growing:
Number of Districts Contracting > 5%:
Number of Districts Contracting > 10%:
Number of Districts Growing > 5%:
Number of Districts Growing > 10%:

27
23
9
3
12
2

Appendix K

Contact Hour Change (by District):
Comparing 2020-21 Base Period to 2018-19 Base Period - House



Texas House of Representatives Appropriations Committee

Testimony By:

Dr. Brenda Hellyer

Chancellor, San Jacinto College

Jacob Fraire

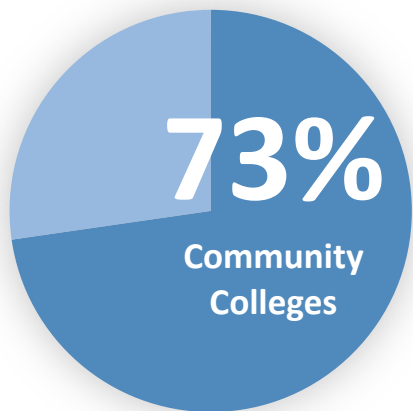
President & CEO, Texas Association of Community Colleges

February 19, 2019

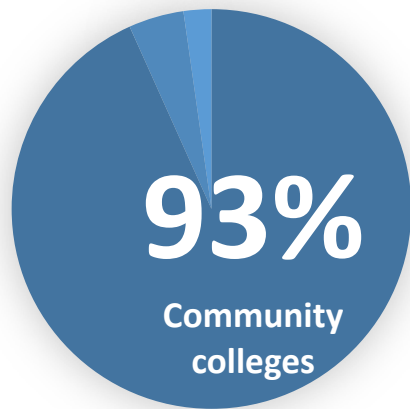


Texas Association of
Community Colleges

Texas Community Colleges Serve the State at Scale



73% of Freshmen & Sophomores in Higher Education

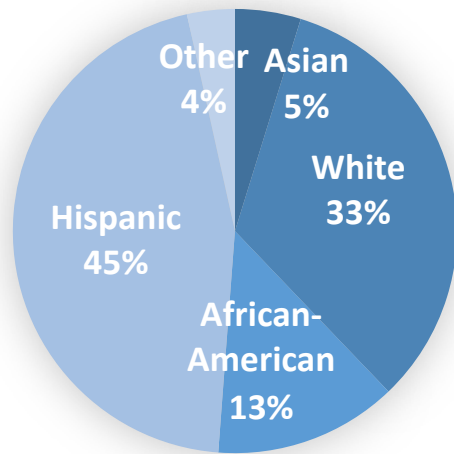


93% of all Career & Technical Education enrollment

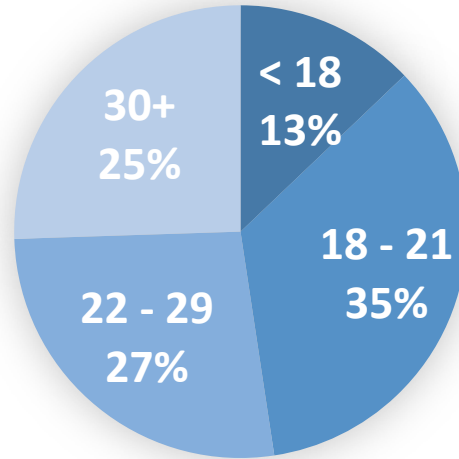
Community colleges are the largest sector of Texas higher education

	Fall 2018 Preliminary Enrollment	% of Enrollment
Community Colleges	736,018	46.8%
Texas State Technical College	11,818	0.8%
Lamar State Colleges	8,157	0.5%
Public Universities	660,722	42.0%
Public Medical Institutions	26,187	1.7%
Private Institutions	128,942	8.2%

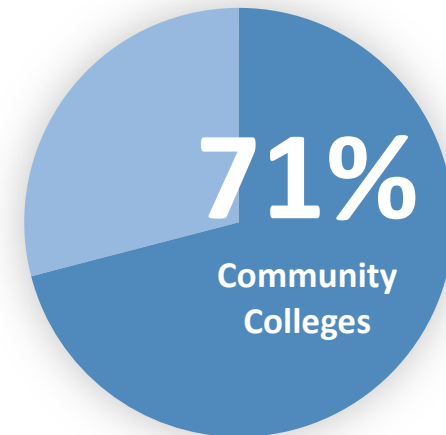
Community Colleges Reach Diverse and Underserved Populations



Enrollment reflects the diversity of Texas



Community colleges serve students of all ages

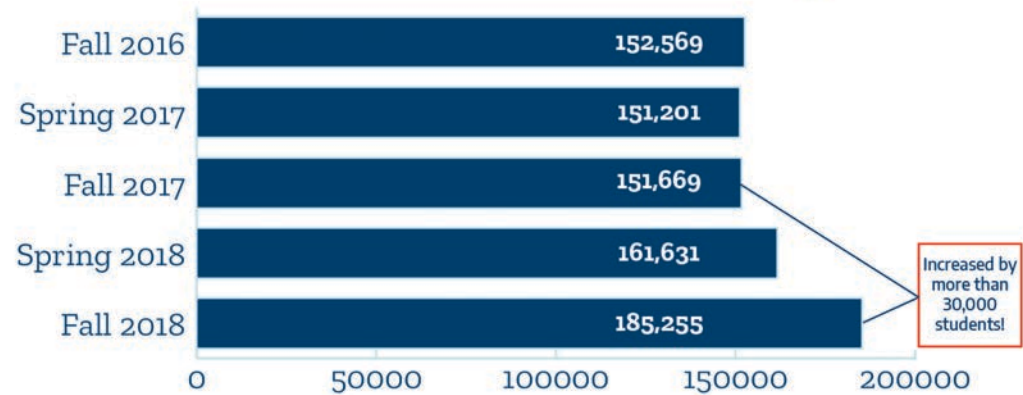


71% of all Minority Freshmen & Sophomores in Higher Education

Source: THECB Fall 2017

Dual Credit Enrollments Increased
By More Than 30,000 Students From
Fall 2017 to Fall 2018

Dual Credit Enrollments at Texas Public Institutions of Higher Education



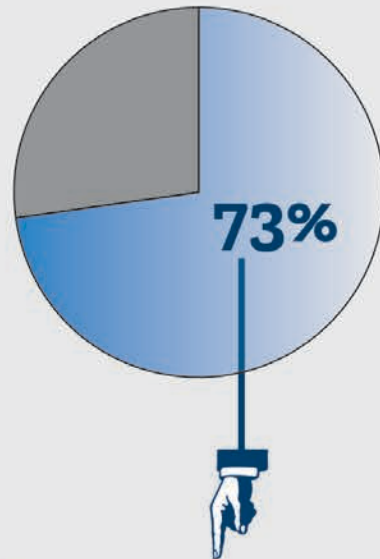
SOURCE: THECB



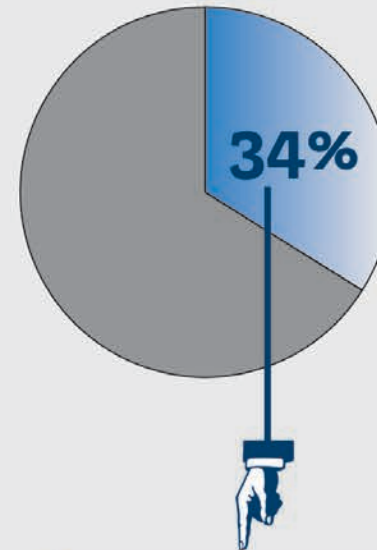
Dual Credit Works

Community colleges
enroll more than
92%
of all dual credit students

Texas Community Colleges Provide a Pathway to a Baccalaureate



73% of all FY 2017
Bachelor Degree grads had
some transfer credits
from a two-year college



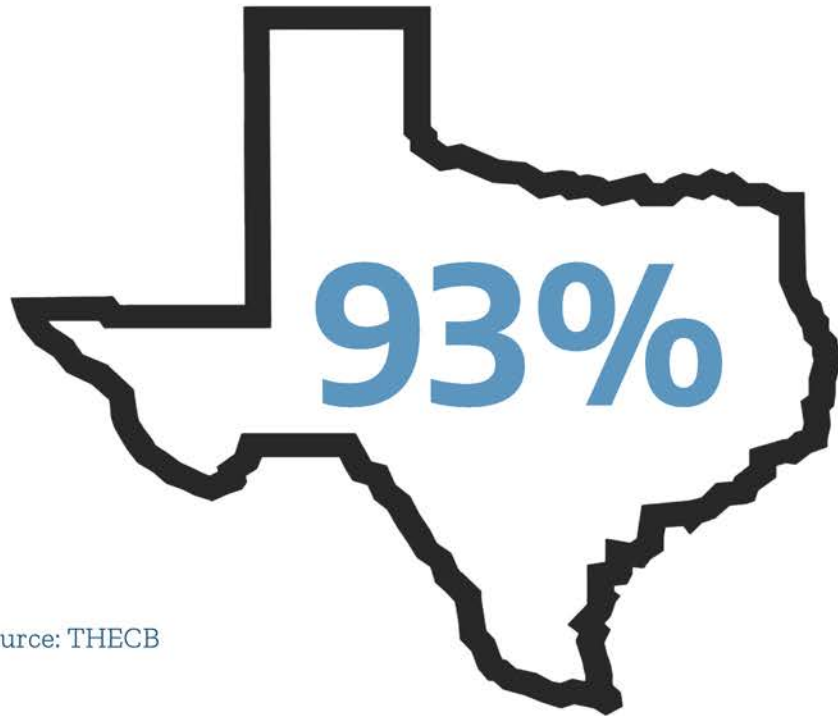
34% of all FY 2017
Bachelor Degree grads had
more than 30 transfer credit
hours from a 2-year college

SOURCE: THECB, 2017 Data



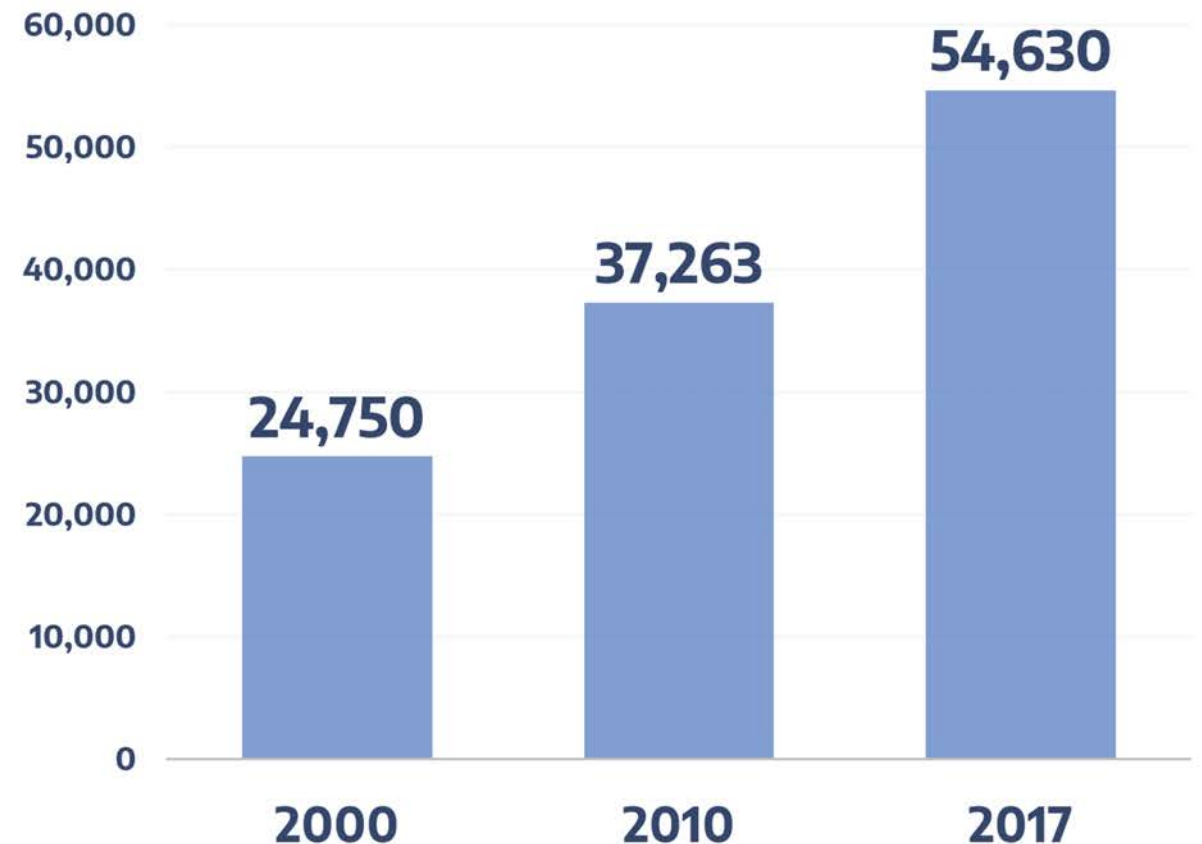
Texas Community Colleges are the Leader in Workforce Education

Community Colleges Awarded 93% of All
Technical Certificates & Associate Degrees in Texas
(FY 2017)



Source: THECB

Total Annual Technical Certificates & Associate
Degrees Awarded



Community Colleges Respond to the Workforce Needs of a Growing Texas

Top Technical Associate Degrees Awarded in 2017

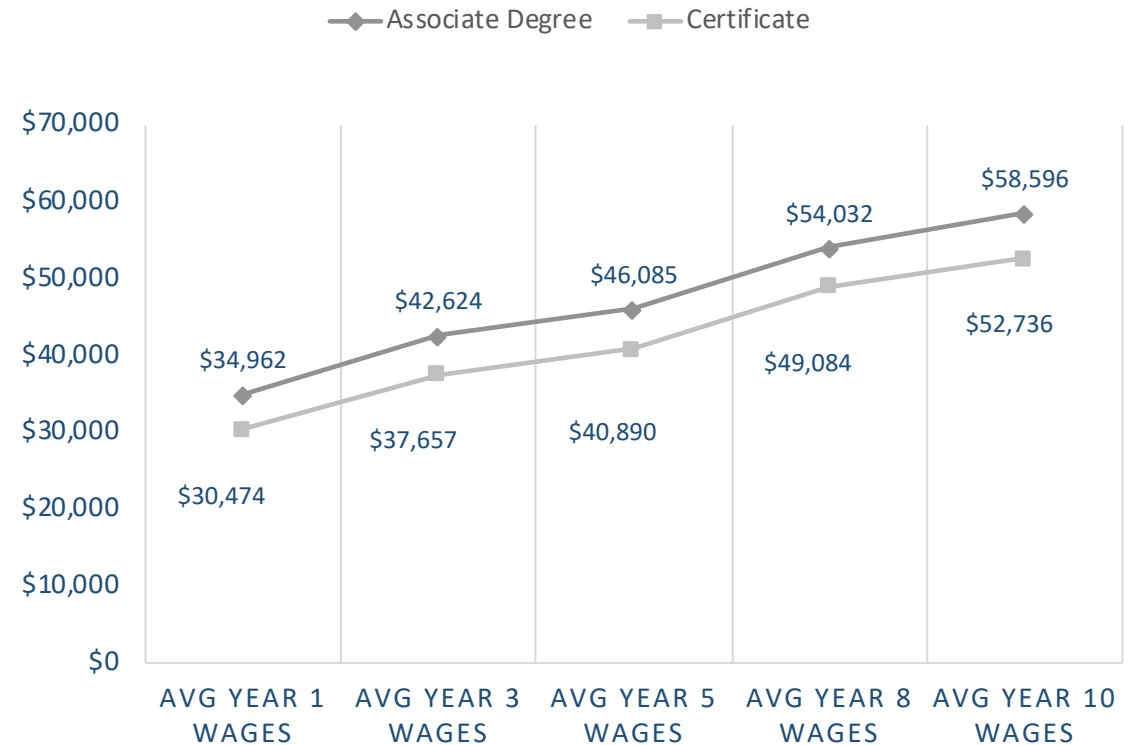
1. Registered Nurse
2. Business Administration and Management
3. Chemical Technology
4. Radiologic Technology
5. Legal Assistant/ Paralegal
6. Computer and Information Sciences
7. Physical Therapist Technician/ Assistant
8. Welding Technology
9. Drafting and Design Technology
10. Respiratory Care Therapy

Top Technical Certificates Awarded in 2017

1. Welding Technology
2. Business Administration and Management
3. Licensed Practical/ Vocational Nurse Training
4. Automotive Mechanics
5. Computer and Information Sciences
6. Cosmetology
7. EMT Paramedic
8. HVAC Technology
9. Chemical Technology
10. Fire Science

Community College Credentials Lead to Wage Growth

Average Earnings by Credential Level (All Majors)*



*Includes all Public, Two-Year Colleges. (2005 Cohort)
Source: Texas Consumer Resource for Education and Workforce Statistics

Achieving the Goals of 60x30TX

GOAL: Reducing Student Debt

- Texas community colleges are exceeding the 60X30TX debt goal.
- Majority of community college graduates finish with zero loan debt, and those who do, carry relatively low debt loads.

Award	% With Debt	Average Debt	% of 1 st Year Wage
Certificate	27%	\$14,248	32.2%
Associate's	34%	\$16,780	42.4%
Bachelor's (Public 4-Year Institutions)	60%	\$30,516	71.4%

State Support is Critical to Keeping Local Taxes & Tuition Low

Texas community colleges have 3 sources of revenue to support delivery of education and workforce development:

- State Appropriations
- Local Ad Valorem Property Taxes
- Student Tuition & Fees

State support helps keep tuition at Texas community colleges the 3rd lowest in the United States:

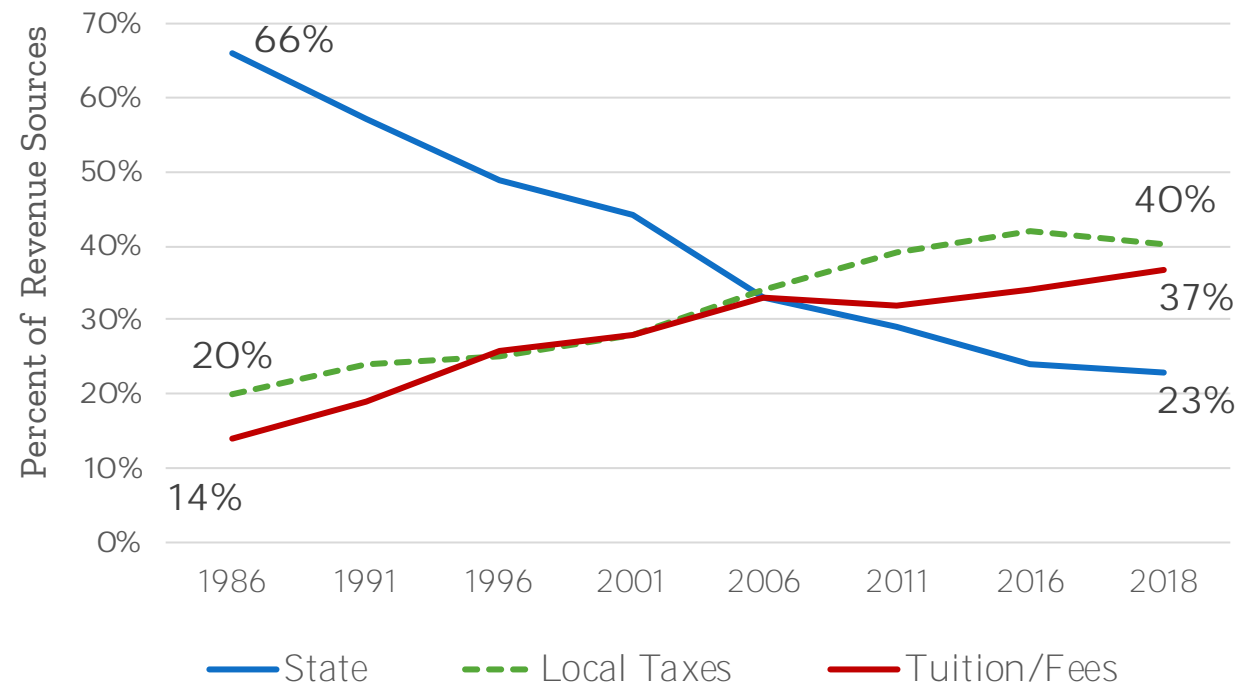
Average Tuition & Fees

Public, two-year

Rank	State	\$
1	California	\$1,246
2	New Mexico	\$1,553
3	Texas	\$2,017
4	Arizona	\$2,061
50	New Hampshire	\$6,999

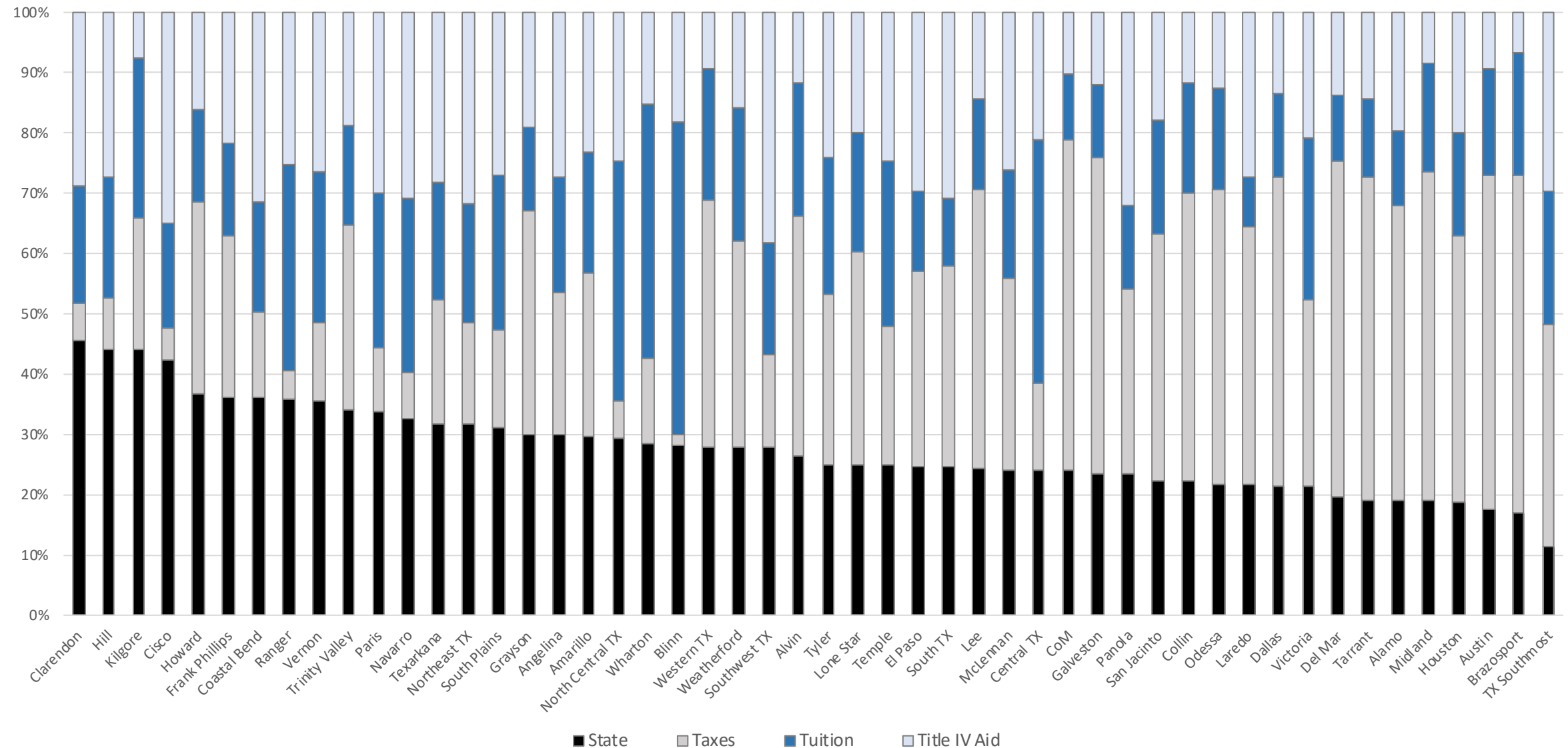
Source: THECB

Composition of Primary Community College Revenue by Source, 1986-2018



Source: TACC

Three Primary Sources of Operating Revenue, FY 2018



*Does not include federal, state, or local grants and contracts, investment income, gifts, or revenue from auxiliary enterprises.

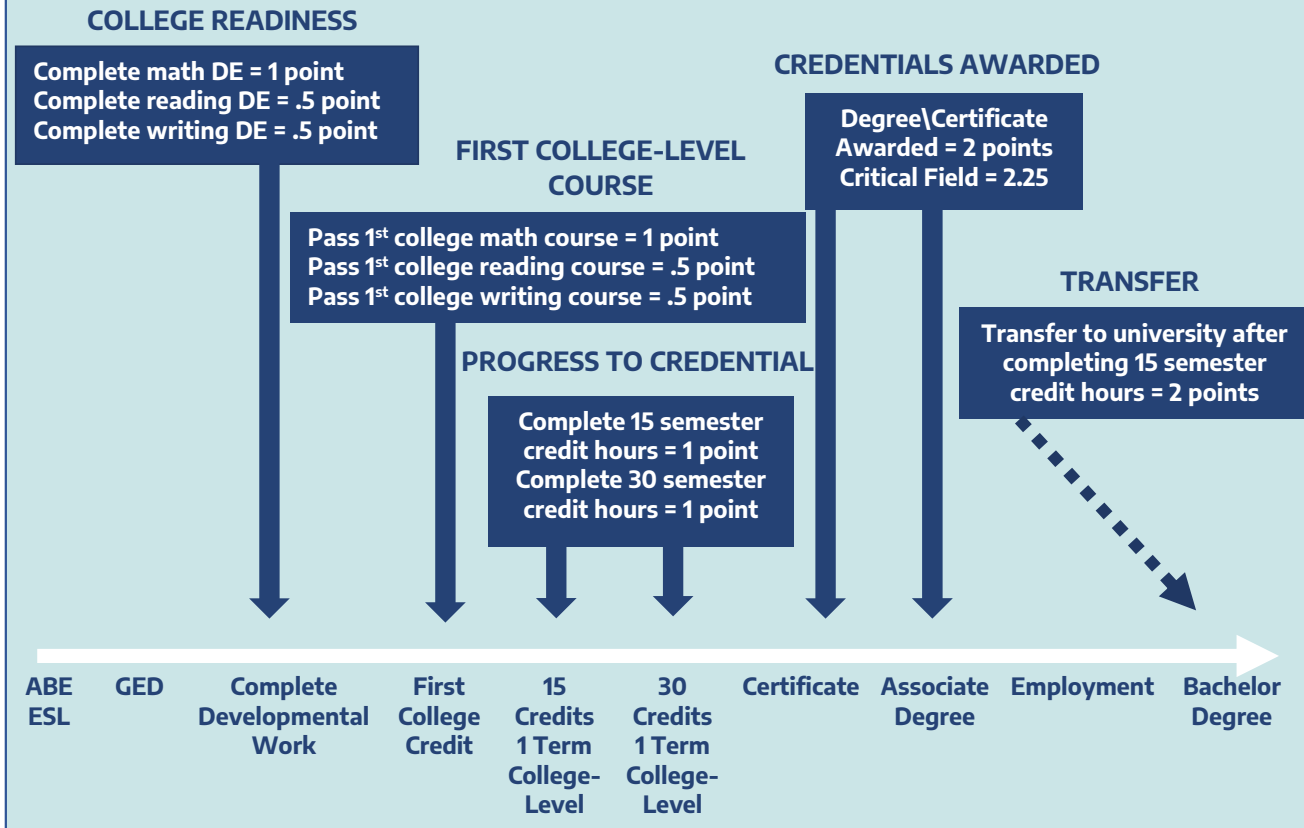
Formula Funding Recommendations for FY 2020 – 2021

Texas Public & Junior Colleges

Formula	FY 18-19 Biennium (millions)	Current FY 20-21 Budget	TACC/CCATT TCCTA Ask	Recommended Increase Over HB1, SB1 (millions)
Core Operations	\$68.0	\$68.0	\$68.0	--
Contact Hours	\$1,516.6	\$1,533.7	\$1,599.8	\$66.1
Bachelor of Applied Technology	\$2.8	\$3.1	\$3.0	--
Student Success Points	\$180.0	\$186.5	\$233.7	\$47.2
				\$215 per point
TOTAL	\$1,767.4	\$1,791.3	\$1,904.5	\$113.3

Performance Based Funding at Texas Community Colleges

STUDENT SUCCESS POINT MODEL



The Context: Community Colleges are Critical to the Texas Higher Education Plan, 60x30TX

THE OVERARCHING GOAL: 60x30

By 2030, at least 60 percent of Texans ages 25-34 will have a certificate or degree

THE SECOND GOAL: COMPLETION

By 2030, at least 550,000 students in that year will complete a certificate, associate, bachelor's, or master's from an institution of higher education in Texas.

THE THIRD GOAL: MARKETABLE SKILLS

By 2030, all graduates from Texas public institutions of higher education will have completed programs with identified marketable skills.

THE FOURTH GOAL: STUDENT DEBT

By 2030, undergraduate student loan debt will not exceed 60 percent of first-year wages for graduates of Texas public institutions.